QUEDATESUP GOVT. COLLEGE, LIBRARY KOTA (Raj)

BORROWER'S No	DUE DTATE	SIGNATURE			
		1			
-		1			
1					
1					
ì					
1		1			
(
)					





CORRECTED TABLES

FOR USE WITH

SIKES'S GLASS HYDROMETER.

NOTE—In the following Tables, the indications under heading A refer to an extra stem designed for proving high strength spirits at high temperatures.

Additional Note.

In India brass instruments, when employed at all by Excise officers, are used in shop-visiting and district-work only. They should not be used in distillenes or bonded warehouses (unless with a special table not yet published). Although the tables for use with glass hydrometers are not designed to be used with brass instruments, they yet give more accurate results than do the oldertables supplied by the makers along with the instruments. Consequently, these tables for glass hydrometers may be used, with advantage, in place of the older tables for brass instruments employed in shop visiting and district-visiting.

Directions for the use of the Corrected Tables for ascertaining the strengths of spirits by Sikes's glass Hydrometer.

Having poured a sample of the spirits intended to be proved into the trial-glass, ascertain the temperature of the fluid by immersing the thermometer therein Stir the sample, and wait till the mercury remains stationary The degree shown on the thermometer scale is the temperature of the spirits

The various degrees of temperature are indicated at the top of each page, commencing with 40° and ending with 100° of Fahrenheit's thermometer

Open the book at the temperature indicated, and select the stem likely to be required. Immerse it in the spirit and press it down to the top-mark on the scale If the proper stem has been selected, it will float at some division on the stem this is "the indication " Opposite this indication in the Table will be found the strength of the spirit

Examples -

(a) If the hydrometer-stem 20 to 40 sinks to 280 (i.e., indication 28) with a temperature of 40°, the strength found in the Tables under that temperature at 28 will be found to be 46 3 Over Proof

(5) If, again, at temperature 51° the hydrometer-stem 10 to 60 floats so as to indicate 430 divisions on the stem, then opposite the indication 43 under temperature 51° will be

found the strength 25 3 Over Proof (c) At temperature 60°, indication 69 0, the strength will be foun l to be 163 Under Proof

Each sub-division of the hydrometer s stem corresponds to 0 2 per cent of the whole scale (spart from the portion termed A)

The Slide Rule and Comparative Rule as hitherto supplied with the uncorrected Sikes's Tables should not now be employed





REVISED SIKES'S TABLES.

Temperature 40° F.

		<u> </u>				_			_
Divs. on Stem A ht !	Divs. on Stem	Divs. on Stem	Per cent over Proof	Day on Stem	Per cent over Proof	Divs on Stem	Per cent.	Divs on Stem	Per cent over Proof.
C 1400 1 1408 2408 2408 2408 2408 2408 0 100 100 100 100 100 100 100 100 100	14 74 74 74 74 74 74 74 74 74 74 74 74 74	2 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ±	70 5 4 7 7 7 0 0 0 6 9 8 6 6 7 7 7 0 0 0 0 6 9 8 8 6 7 7 7 8 6 6 7 8 6 6 7 7 8 6 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 7 8	10 2 4 6 8 11 2 4 6 8 12 2 4 6 8 13 2 4 6 8 15 2 4 6 8 15 2 4 6 8 15 2 4 6 8 15 2 4 6 8 15 2 4 6 8 15 2 4 6 8 15 2 4 6 8 15 2 4 6 8 15 2 4 6 8 15 2 4 6 8 15 2 4 6 8 15 2 4 6 8 15 2 4 6 8 15 2	55 1 51 9 54 7 54 5	20 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	54 3 2 54 0 8 5 3 3 4 4 5 5 5 2 9 7 5 5 1 1 9 7 5 5 1 1 9 7 5 5 1 1 9 7 5 5 1 1 9 7 5 1 9 7 5	30 2 4 6 8 31 2 2 4 6 8 32 2 4 6 8 33 2 4 6 8 35 2 4 6 8 37 2 4 6 8 37 2 4 6 8 37 2 4 6 8 37 2 4 6 8 8 2 4 6 6 8 8 3 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8	44 1 0 4 3 7 4 4 3 2 9 4 3 3 7 4 4 3 2 9 4 3 7 4 4 3 2 9 4 3 7 4 4 3 2 9 4 3 7 4 4 3 2 9 4 3 7 4 4 3 7 4 4 3 7 4 4 3 7 7 4 4 3 7 7 4 4 3 7 7 7 4 4 3 7 7 7 4 4 3 7 7 7 7

Temperature 40° F.

Divs on Stem	-	Divs on Stem	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40 2 32 4 51 1 1 2 3 1 3 1 4 2 3 2 2 4 5 1 1 1 2 2 3 2 2 4 5 1 1 1 2 2 3 2 2 4 5 1 1 1 2 2 4 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 60 191 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	78 2 2	18 0 19 3 19 7 19 7 19 7 19 7 19 7 19 7 19 7	8 2 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	40 7 41 41 41 42 43 43 43 43 44 44 45 7 4 47 1 47 9 447 47 1 47 9 47 47 1 47 9 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	67 2 68 68 68 69 64 68 68 69 64 67 27 77 77 77 77 77 77 77 77 77 77 77 77

D

A Temperature 41° F.

Divs. on Stem A For cent, over Proof	Divs on Stem A Per cent over Proof	Divs on Stem.	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs. on Stem	Per cent over Proof
D 2468 2468 2468 2468 3 2468 6 2468 6 2468 9 2468 10	10 2 4 6 8 11 2 4 6 8 8 12 2 4 74 6 6 8 75 2 1 3 2 74 8 1 74 6 6 75 2 1 7 74 1 6 74 1 74 1 6 74 1 74 1 6 74 1 74 1	8 06 3 66 2 2 66 0 0 4 65 9 6 65 7 7 65 4 65 1 4 65 1 6 65	12 2 4 6 6 8 13 2 4 6 6 6 8 14 2 4 6 6 6 8 16 2 1 8 16 2 1 8 16 2 1 8 16 2 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	57 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5	27 2 4 6 8 28 2 4 6 8 29 2 4 6 8 8	51 19 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	30 2 4 6 8 31 2 4 6 8 8 32 2 4 6 8 8 35 2 4 6 8 8 35 2 4 6 8 8 36 2 4 6 8 36 2 4 6 8 36 2 4 6 8 8 40	43 9 4 4 4 3 3 4 4 4 1 3 4 4 9 7 4 4 4 1 3 3 4 5 4 4 1 4 6 9 7 4 6 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7

Temperature 41° F.

Days on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Dive on Stom	Per cent under Proof	Divs on Stem	Per cent under Proof,	Days on Stem	Per cent under Proof
40 2 4 6 6 8 41 2 4 6 6 8 42 2 4 6 6 8 43 2 4 6 6 8 8 45 2 2 4 6 6 8 8 45 2 2 4 6 6 8 8 45 2 2 4 6 6 8 8 45 2 8 6 6 8 8 4 6 6 8 8 6 6 8 8 6 6 8 8 6 6 8 8 6 8 6	22 1 8 8 31 6 3 31 1 9 30 0 6 4 3 1 3 1 1 9 30 0 6 4 3 1 3 1 1 9 30 0 6 4 3 1 3 1 1 1 2 2 2 2 3 1 1 1 2 2 2 3 2 3	50 2 4 6 6 8 5 2 4 6 6 6 5 2 4 6 6 6 5 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	EN 1930 77 18 52 17 16 52 15 16 18 52 17 17 18 18 52 17 17 18 18 52 15 18 18 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	60 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 6 7 2 4 6 6 8 6 2 1 6 6 9 6 9	4741138522663322071111838522663366021111838522663366021111838522233692220011111838693342592	70 2 4 4 6 8 8 73 2 4 4 6 6 8 8 75 2 4 6 6 6 8 75 2 4 6 6 6 8 75 2 4 6 6 6 8 75 2 4 6 6 6 8 75 2 4 6 6 6 8 8 75 2 4 6 6 8 8 75 2 4 6 6 8 8 75 2 4 6 6 8 8 75 2 4 6 6 8 8 75 2 4 6 6 8 8 75 2 4 6 6 8 8 75 2 4 6 6 8 8 75 2 4 6 6 8 8 75 2 4 6 6 8 8 75 2 4 6 6 8 8 75 2 4 6 6 8 8 75 2 4 6 6 8 8 75 2 4 6 6 8 8 75 2 4 6 6 8 8 75 2 4 6 6 8 8 75 2 4 6 6 8 8 75 2 4 6 6 8 8 75 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	11 3 11 6 12 0 12 3 12 6 13 0 13 4 14 2 14 6 15 0 15 4 15 7 16 0 16 4	80 2 4 6 8 8 2 4 6 6 8 8 2 4 6 6 8 8 8 5 2 4 6 6 8 6 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6	32 2 7 33 2 2 7 33 2 2 7 3 3 2 2 7 3 3 2 2 7 3 3 2 2 7 3 3 2 2 7 3 3 2 2 7 3 3 2 2 7 3 5 2 7 3 5 2 7 3 5 2 7 3 5 2 7 3 5 2 7 3 2 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7	90 2 4 6 6 8 8 91 2 4 6 6 8 8 8 93 2 4 6 6 8 8 8 94 2 4 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 95 2 4 6 6 6 8 8 8 95 2 4 6 6 6 8 8 8 95 2 4 6 6 6 8 8 8 95 2 4 6 6 6 8 8 8 95 2 4 6 6 6 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 8 8 8 8 95 2 4 6 6 6 6 8 8 8 8 95 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	668 2 2 6 6 6 0 0 6 6 6 6 6 7 7 7 1 4 2 7 7 7 2 8 7 7 7 3 4 1 7 7 7 8 8 6 7 7 7 7 4 4 1 7 7 7 8 8 6 7 7 7 7 3 7 8 8 8 8 9 9 9 5 1 7 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
50	20 4 20 1 19 8 19 6 19 3	60 60	5 9 5 6 5 3 5 0 4 7	2 4 6 8 70	9 9 10 2 10 5 10 9 11 3	80 80	30 I 30 6 31 1 31 7 32 2	90 90	62 5 63 3 64 2 65 0 65 8 66 6 67 4	2 4 6 8	96 5 97 1 97 6 98 1 98 7 99 7

Temperature 42° F.

A

Dive on Stem A Per cent over Proof	Days on Stem A Per cent.	Dive on Stem Per cent over Proof	Dive on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
2 4 6 8 1 2 4 6 8 2 2 4 6 6 8 2 2 4 6 6 8 5 2 4 6 6 8 8 2 4 6 6 8 2 6 6 8 8 2 4 6 6 8 8 2 4 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 6	2 70 1 4 70 1 6 70 8	0 2 70 10 10 10 10 10 10 10 10 10 10 10 10 10	16 2 4 6 8 12 2 4 6 8 8 13 2 2 4 4 6 8 8 15 2 2 4 4 6 8 8 15 2 2 4 4 6 8 8 15 2 2 4 6 6 8 17 2 2 2 4 6 6 8 17 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	56 7 56 3 56 3 56 3 56 3 56 3 56 3 56 3	29	46 5 46 2 46 0 45 7 45 5 45 3 45 1 44 9 44 7 44 5 44 2	30 2 4 6 8 32 2 4 6 6 8 34 2 4 4 6 8 35 2 2 4 6 6 8 37 2 2 4 6 6 8 37 2 2 4 6 6 8 37 2 2 4 6 6 8 37 2 2 4 6 6 8 37 2 2 4 6 6 8 8 37 2 2 4 6 6 8 8 37 2 2 4 6 6 8 8 37 2 2 4 6 6 8 8 37 2 2 4 6 6 8 8 37 2 2 4 6 6 8 8 37 2 2 4 6 6 8 8 37 2 2 4 6 6 8 8 37 2 2 4 6 6 8 8 37 2 2 4 6 6 8 8 37 2 2 4 6 6 8 8 37 2 2 4 6 6 8 8 37 2 2 4 6 6 8 8 37 2 2 4 6 6 8 8 37 2 2 4 6 6 8 8 37 2 2 4 6 6 8 8 37 2 2 4 6 6 8 8 8 8 8 8 8 7 2 2 4 6 8 8 8 8 8 8 8 8 7 2 2 4 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	43 5 3 4 4 4 4 2 6 3 4 4 4 4 2 6 3 4 4 4 4 4 2 6 3 4 4 4 4 4 2 6 3 4 4 4 4 4 4 2 6 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

Temperature 42° F.

The color of the	Ħ	- 1	E	1	g ,	ļ	E .		E		ā	_
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	St	rop	Ste	roof	žć.	J002	35	Proof	Ste	00	Ste	Pro
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0	er P	8	er P	, 5	P E	5	der]	8 1	cen	. š	8 5
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ğ	P	á	Per	Δ	F g	Δ.	Per al	, D	Per	ğ	- Fer
1 108	40 2 4 6 8 4 2 2 4 6 6 8 4 5 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		50 2 4 6 8 8 51 2 4 6 6 8 8 5 5 2 4 6 6 8 8 5 5 2 4 6 6 8 8 5 5 2 2 4 6 6 8 8 5 5 2 2 4 6 6 8 8 5 5 2 2 4 6 6 8 8 5 5 2 2 4 6 6 8 8 5 5 2 2 4 6 6 8 8 5 5 2 2 4 6 6 8 8 5 5 2 2 4 6 6 8 8 5 5 5 2 2 4 6 6 8 8 5 5 5 2 2 4 6 8 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	19 0 18 7 18 4 18 1 17 9 17 6	60 2 4 6 8		70 2 4 6 8 71 2 4 6 6 8 73 2 4 6 6 8 8 75 2 4 6 6 8 8 76 2 4 6 6 8 8 76 2 4 6 6 8 76 2 4 6 6 8 76 2 6 76 2 77 2 2 4 6 6 8 76 2 77 2 2 4 6 6 8 76 2 77 2 2 4 6 6 8 76 2 77 2 2 7 6 7 6 7 7 7 7 7 7 7 7 7 7	11 6 0 12 3 6 13 0 4 13 13 8 4 14 5 2 14 5 6 16 17 17 6 6 1 17 2 2 17 4 6 17 17 6 6 1 17 2 2 10 2 2 2 3 6 6 1 2 7 0 0 2 2 2 3 6 6 2 2 3 6 6 2 2 3 6 6 2 2 3 6 6 2 3 6	80 2 4 4 6 8 8 8 2 2 4 4 6 6 8 8 8 2 2 4 4 6 6 8 8 8 2 2 4 4 6 6 8 8 8 5 2 2 4 6 6 8 8 8 5 2 4 6 6 8 8 8 8 2 2 4 6 6 8 8 8 8 2 2 4 6 6 8 8 8 8 2 2 4 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	32 0 1 33 4 6 1 7 3 3 3 6 1 6 1 7 3 3 3 6 1 6 1 7 3 3 5 6 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7	90 2 4 6 6 8 91 2 2 4 6 6 8 91 2 2 4 6 6 8 91 2 2 4 6 6 6 8 91 2 2 4 6 6 6 8 91 2 2 4 6 6 6 8 91 2 2 4 6 6 6 8 91 2 2 4 6 6 6 8 91 2 2 4 6 6 6 8 91 2 2 4 6 6 6 8 91 2 2 4 6 6 6 91 2 2 4 6 6 6 91 2 2 4 6 6 6 91 2 2 4 6 6 91 2 4 6 6	676 4 4 69 2 9 7 7 7 7 2 9 6 6 9 9 2 7 7 7 7 2 9 6 7 7 7 7 7 7 9 6 7 7 7 7 7 7 7 7 7 7
	6	19 8 19 5 19 3 19 0	60 60	5 3 5 0 4 7	- 6 - 8	10 6 10 9 11 2	80 8	31 6 32 1	. 6	66 1	6	98 2 98 7 99 7

A Temperature 43° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Days on Stem	Per cent over Proof
0 2 4 6 8 1 2 4 6 6 8 8 7 2 2 4 6 6 8 7 2 2 2 4 6 6 8 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		10 2 4 6 6 8 12 2 4 6 6 8 13 2 2 4 6 6 8 15 2 2 4 6 6 8 15 2 2 4 6 6 8 15 2 2 4 6 6 8 15 2 2 4 6 6 8 18 2 2 2 4 6 6 8 18 2 2 2 4 6 6 8 18 2 2 2 4 6 6 8 18 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2110870542109766531108764321987543110	0 2 4 6 6 8 2 6 6 6 2 6 6 6 6 6 6 6 6 6 6 6 6	09 9 8 8 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9	110 2 4 6 8 8 112 2 4 6 6 8 8 13 2 4 6 6 8 8 16 2 4 6 6 8 116 2 4 6 6 8 116 2 8 117 2 4 6 6 8 8 118 2 4 6 8 8 8 118 2 4 6 8 8 8 118 2 4 6 8 8 8 118 2 4 6 8 8 8 118 2 4 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	57 9 57 9 57 5 57 5 57 3 57 2 57 8 56 6 56 4 56 3 56 1 55 9	20 2 4 6 8 8 21 2 4 6 6 8 8 8 23 2 4 6 6 6 8 8 26 2 4 6 6 6 8 8 26 2 4 6 6 8 2 6 2 6 8 8 2 6 2 8 2 6 6 8 8 2 6 2 8 2 6 6 8 8 2 6 2 8 8 2 6 2 8 8 2 6 2 8 2 6 6 8 8 2 6 2 8 2 6 6 8 8 2 6 2 8 2 6 6 8 8 2 6 2 8 2 6	53 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	30 2 4 6 8 8 31 2 4 6 6 8 36 2 4 6 6 8 36 2 4 6 6 8 36 2 4 6 6 8 36 2 4 6 6 8 36 2 4 6 6 8 36 2 2 4 6 6 8 8 36 2 2 4 6 6 8 8 36 2 2 4 6 6 8 8 36 2 2 4 6 6 8 8 36 2 2 4 6 6 8 8 36 2 2 4 6 6 8 8 36 2 2 4 6 6 8 8 36 2 2 4 6 6 8 8 36 2 2 4 6 6 8 8 36 2 2 4 6 6 8 8 36 2 2 4 6 6 8 8 36 2 2 4 6 6 8 8 36 2 2 4 6 6 8 8 36 2 2 4 6 6 8 8 36 2 2 4 6 6 6 8 8 36 2 2 4 6 6 6 8 8 36 2 2 4 6 6 6 8 8 36 2 2 4 6 6 6 8 8 36 2 2 4 6 6 6 8 8 36 2 2 4 6 6 6 8 8 36 2 2 4 6 6 6 8 8 36 2 2 4 6 6 6 8 8 8 36 2 2 4 6 6 6 8 8 8 8 8 8 8 2 2 4 6 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	42 9 7 42 5 3 4 42 6 2 42 6 2 42 6 2 6 2 6 2 6 2 6 2
2 4 6 8 9 2 4 6 8		19 2 4 6 8	71 4 71 3 71 1 71 0 70 9 70 7 70 6 70 5 70 3 70 2 70 1 69 9	9 2 4 6 8	63 8 63 7 63 5 63 3 63 1 63 0 62 8 62 7	6 8 19 2 4 6 8	55 7 55 5 55 3 55 1 54 9 54 7 54 5 64 3 54 1 53 9 53 8	6 8 29 2 4 6 8	44 8 44 6 44 4 44 2 44 0 43 7 43 5 43 2	39 2 4 6 8	33 1 32 9 32 7 32 4 32 2 31 9 31 7 31 5

Temperature 43° F.

Temperature 44° F.

Hard Hard
0 10 0 69 7 10 02 5 20 53 4 30 42 5 2 2 5 3 2 5 3 4 3 0 42 5 4 66 5 4 62 1 4 65 5 4 62 1 4 65 5 4 62 1 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
0

19

Țemperature 44° F.

Bar Bar
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

A Temperature 45° F.

		<u>. </u>						
Divs on Stem A Per cent, over Proof	Divs on Stem A Per cent, over Proof	Divs on Stem Per cent over Proof	Divs on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent, over Proof
0 2 4 6 8 1 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 5 8 2 4 6 8 8 8 2 4 6 8 8 8 2 4 6 8 8 8 2 8 8 2 8 8 8 2 8 8 8 2 8 8 8 8	102 146 112 146 151 167 167 175 167 175 175 175 175 175 175 175 17	0 169 5 4 69 4 4 6 69 2 6 69 5 8 69 4 6 69 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	10 2 4 6 6 8 16 2 4 6 6 8 16 2 4 6 6 8 16 2 4 6 6 8 16 2 4 6 6 8 16 2 4 6 6 8 16 2 4 6 6 8 17 2 4 6 6 8 18 2 4 6 6 8 18 17 2 4 6 6 8 18 2 19 19	6221 6211 611 7 611 5 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 2 4 6 8 21 2 4 6 6 8 8 24 2 4 6 6 8 25 2 4 6 6 8 27 2 4 6 6 8 27 2 4 6 6 8 27 2 4 6 6 8 27 2 4 6 6 8 28 28 28 28 29	533 0 8 6 6 5 2 2 2 2 8 8 6 6 5 2 2 2 2 8 8 6 6 5 2 2 2 2 8 8 6 6 5 2 2 2 2 8 8 6 6 5 2 2 2 2 8 8 6 6 6 7 8 7 8 7 8 9 7 7 5 3 1 9 7 7 7 5 3 1 9 7 7 5 3 1 9 7 7 7 5 3 1 9 7 7 5 3 1 9 7 7 5 3 1 9 7 7 7 5 3 1 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	30 2 4 6 8 31 2 4 6 6 8 32 2 4 6 6 8 33 8 33 2 2 4 6 6 8 33 8 33 2 2 4 6 6 8 33 8 35 2 4 6 6 8 35 2 4 6 6 8 35 2 5 9 5 9	42 0 42 3 42 1 8 44 1 3 44 1 3
2 4 6 8	2 70 1 4 69 9 6 69 8 8 69 7 20 69 5	4 62 7 6 62 5 8 62 3 10 62 2	2 4 6 8	54 4 54 3 54 1 53 9 53 7 53 5 53 3 53 1	4	41 1 43 8 43 6 43 3 43 1 42 8 42 6	2 4 6 8	32 8 32 5 32 3 32 1 31 8 31 6 31 3 31 1 30 9

Temperature 45° F.

•			_	-		_	_			==	
Divs on Stem	Per cent.	Divs on Stem.	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per ceat under Proof
49	24 0 8 5 3 3 0 7 1 2 2 2 2 3 3 0 7 1 2 2 2 2 2 3 3 0 7 1 2 2 2 2 2 3 3 0 7 1 2 2 2 2 2 3 3 0 7 1 2 2 2 2 2 3 3 0 7 1 2 2 2 2 2 2 3 3 1 2 2 2 2 2 3 3 1 2 3 3 3 1 2 3 3 3 1 2 3 3 3 1 2 3 3 3 1 2 3 3 3 3	50 2 4 6 8 2 4 6 6 8 5 2 4 6 6 8 5 5 6 2 4 6 6 8 6 8 1 4 6 6 8 8 1 4 6 6 8 8 1 4 6 6 8	70 64 61 55 55 49 46 43	60 2 4 6 6 8 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9 2 9 6 9 9 10 2 10 6 10 9 11 3 11 7	70 2468 2468 2468 2468 2468 2468 2468 2468	1334269371559371504826160448260484827272727 1334269371559371504826160448260482827272727 134246937155937150482262222222222222222222222222222222222	80 2.468 2.4	728828282828406735173666607442207442207866420866731 338828284066731 444444444444444444444444444444444444	96 2	8 9 9 7 5 7 7 7 7 8 8 1 1 8 5 2 9 7 7 7 7 7 8 8 1 1 8 5 2 9 7 7 7 7 7 7 8 8 1 1 8 5 2 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7

A Temperature 46° F.

Divs on Stem A Per cent	Divs on Stem A. Per cent over Proof	Divs on Stem Per cent	Divs on Stem.	Per	Divs on Stem	Per cent over Proof	Divk on Stem.	Per cent over Proof
0 2 4 5 1 2 4 6 8 1 2 4 6 6 8 6 2 4 6 6 8 7 2 4 6 6 7 2 4 6 6 7 2 4 6 6 7 2 4 6 6 7 2 4 6 6 7 2 4 6 7 2 4 6 7 2 4 6 7 2 4 6 7 2 4 6 7 2 4 6 7 2 4 6 7	10	0 2 60 1 1 1 2 60 1 1 1 2 60 1 1 1 2 60 1 1 1 2 60 1 1 1 2 60 1 2 60 1 1 2 60 1 1 2 60 1 1 2 60 1 1 2 60 1 1 2 60 1 1 2 60 1 1 2	10 2 4 6 6 8 12 2 4 6 6 8 8 13 2 4 6 6 8 15 2 4 6 6 8 15 2 4 6 6 8 15 2 4 6 6 6 8 15 2 4 6 6 6 8 15 2 4 6 6 6 8 15 2 4 6 6 6 8 15 2 4 6 6 6 8 15 2 4 6 6 6 8 15 2 4 6 6 6 8 15 2 4 6 6 6 8 15 2 4 6 6 6 8 15 2 4 6 6 6 8 15 2 4 6 6 6 8 15 2 4 6 6 6 8 15 2 15 2 15 2 15 2 15 2 15 2 15 2 15	61 2 61 1	26 2 4 6 8 27	22 97 25 25 25 25 25 25 25 25 25 25 25 25 25	34 2 4 6 8 35 2 4 6 8 30 2 4	42 3 0 41 8 41 5 41 5 41 5 4 6 4 6 7 5 4 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6

GLASS HYDROMETER. Temperature 46° F.

		_							-		 -
Divs on Stem	Per cent over Proof	Diva 'ton Stem	Per cent over Proof.	Divs on Stem	Per cent, over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Dive on Stem	Per cent. under Proof
40 2 4 4 6 8 42 2 4 6 6 8 45 2 4 6 6 8 45 2 4 6 6 8 45 2 4 6 6 8 47 2 4 6 6 8 47 2 4 6 6 8 47 2 4 6 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8	21 8 21 6 21 3 21 0 20 8 20 5 20 3 20 0 19 8 19 5 19 3 19 7 18 4 18 2	59	10 0 7 4 1 8 5 2 9 6 3 8 5 2 9 6 3 5 5 2 9 6 6 5 5 5 2 9 4 6 3 0 7 7 7 6 6 6 5 5 2 9 4 6 3 0 7	60 2 4 6 6 8 6 6 2 4 6 6 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	7 9 8 3 8 6 8 9 9 9 10 3 10 6 10 9 11 3 7 12 0 12 3	71 2 4 6 8 73 2 4 6 8 74 2 4 6 8 75 2 4	26 4 26 8 27 2 27 6	6 8 82 82 4 6 8	24 2 8 36 3 8 36 3 8 36 3 8 36 3 8 36 3 8 36 3 8 36 3 8 37 3 9 3 38 5 1 3 3 9 7 3 38 5 1 2 7 4 4 4 5 4 9 5 9 7 4 4 5 4 9 5 9 7 4 4 5 7 8 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	90 2 4 6 6 8 91 2 4 6 6 8 92 2 4 6 6 8 93 2 4 6 6 8 95 2 4 6 6 8 9 2 6 6 8 9 2 6 6 8 9 2 6 6 8 9 2 6 6 8 9 2 6 6 8 9 2 6 6 8 9 2 6 6 8 9 2 6 6 8 9 2 6 6 8 9 2 6	69 1 69 8 69 8 69 8 69 8 69 8 69 8 69 8

c

A Temperature 47° F

									_	
Divs on Stem A	over Proof Dive on Stem	Per cent	Dive on Stere	Per cent over Proof	Dive on Stem	Per cent over Proof	Divs on Stem	Per cent, over Proof	Diva. on Stem	Per cent over Proof
0 2468 1 2468 2 468 3	10 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	75 1 1 3 1 7 4 4 1 1 7 7 4 4 2 1 7 7 4 4 2 1 7 7 4 4 2 1 7 7 4 4 2 1 7 7 4 4 2 1 7 7 4 4 2 1 7 7 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0 2468 2468 2468 2468 2468 2468 2468 2468	69 29 39 39 44 43 43 47 77 77 64 44 27 77 77 77 77 77 77 77 77 77 77 77 77	10 2 4 6 6 8 11 2 4 6 6 8 11 2 4 6 6 8 11 2 4 6 6 8 11 2 4 6 6 6 8 11 2 4 6 6 6 8 11 2 4 6 6 6 8 11 2 4 6 6 6 8 11 2 2 4 6 6 6 8 11 2 2 4 6 6 8 11 2 2 2 4 6 6 8 11 2 2 2 4	01 7 61 63 61 62 64 66 67 66 68 68 68 68 68 68 68 68 68 68 68 68	20 2 4 6 6 8 21 2 2 4 6 6 8 24 2 6 6 8 2 7 2 4 6 6 8 2 7 2 4 6 6 8 2 7 2 4 6 8 2 9 2 4 6 8 3 3 8 3 3 3 8 3 3 8	5224317555555555555555555555555555555555555	30 2 4 6 6 8 3 2 4 6 6 8 8 3 2 4 6 6 8 8 3 2 4 6 6 8 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 3 3 3 2 4 6 6 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	12 0 41 7 40 6 41 7 40 6 3 40 8 8 7 7 7 7 6 6 7 8 7 7 7 7 7 7 8 7 8 7

Temperature 47° F

_						_	=			_	, = -
Days on Stem		Dive on Stem	٠	Divs on Stem	J.	Dive on Mem	# ₅	Dive on Stern		Dive on Stem	er cent under Proof
ે જે	er cent. over Proof	0,-	Per cent over Proof	1 00	Per cent over Proof	-	Per cent under Proof	02	Per tent under Proof	ا م	1 .E
- E	Per cent.	8	Per cent over Pro	9	Per cent	5	Per cent	. 6	Per cent	õ	Per cent under I
	5 8	e '	ິະ		9 9	2	5 5		1 2 4		2.5
\$	م نے	á	5 6	ià	ه څ	ã	2 5	á	2 3	اة	5 2
							L				-
40	30 3	50	17.3	60	7.8	70	13 4	80	34.7	90	68 5
10 a	30 0	2	17 3 17 1 16 8 16 5 16 2 15 9 15 6 15 3 15 0 14 8	00 2	28 22 19 10 10 01	2	13 8	° 2	34 7 35 2 35 7 36 2 36 7 37 2	2	69 3
2 4 6 8	29 8	2 4 6 8	16 8	6 8	22	4	13 8 14 2 14 5 14 8	2 4 6	35 7	4	70 0
6	29 5	6	16 5	6	19	6	14 5	6	36 2	6	70 7
. 8	29 3		16 2	61	1 0	. 8	14 8	8	36 7	91	71 1
41	20 0	51	15 6	101,	10	171	15 6	81 ,	1 27 8	31 2	72 8
2 4 6	30 0 29 8 29 5 29 3 29 0 29 7 25 5 28 3 28 0	2	15 3	2 4 6 8	0.7	4	0 91	2	39 4	2 4	73 6
6	28 3	, e	15 0 14 8	0	0.4	6	16 4	6	38 9	6	74 3
8	28 0	8	14 8		0 1	s	15 2 15 6 16 0 16 4 16 8 17 2	. 8	37 8 39 4 38 9 39 5 40 1	8	69 3 70 0 70 7 71 4 72 1 72 8 73 6 74 3 75 0 75 7
42	27 8	52	14 5	62	0.2	72,	17 2	82,	40 1	92 2	79 7
1 2	27 5	- 2	14 3	1 3	0.5	. 4	13 4 13 8 14 2 14 5 14 8 15 2 15 6 16 0 16 8 17 2 17 6 18 0	. 4	40 4	, á	77 1
2 4 6	27 3	6	13 7	*	, v e	· 6	18 4	. 6	41 9	4 6	77 8
l š	27 8 27 5 27 3 27 1 26 8 26 6 26 3 26 0 25 8 25 5	4 6 8	13 5	4 6 8	lii	8	18 7	8	34 7 35 7 7 36 2 7 37 2 37 2 37 3 39 5 40 7 41 9 42 5 43 7 44 9 42 5 43 7 44 9 45 5 46 8 47 5 48 9 7 49 7	8	70 4 77 1 77 8 5 78 5 79 9 9 80 6 81 9 83 8 83 8 84 5 85 7 86 4
43	26 6	53	13 2	63	18	73	19 1	83	43 1	93	79 2
2	26 3	2 4 6 9	12 9	4 6 8	2.1	4	19 5	2	43 7	2 4 6	79 9
1 4	26 0	1	12 6	4	24		20 0	1 6	41 9	6	81 2
6 9	25 8	9	12 3	6	3 6	š	20 9	8	45 5	š	81 9
41 1	25 2		11 7	64	3 4	74	21 3	81	46 2	94	82 6
2	24 9	2	11 4	2	3 7	2	21 8	2 4 6 8	16 8	2 4 6	83 2
4	24 7	4	11 1	2 4 6 8	4 0	6	22 2	4	47 5	4	83 8
8	21 4	6	10 8	6	4.3	8	93 0		48 6	8	85 1
45	23 9	35	10 3	65 8	5 0	75	23 5	83	49 7	95	85 7
2 4	23 7		9 9		5 3	2 4 6 8	23 9	- 4 6	50 #	2 4	86 4
4	23 4	2 4 6 8	96	2 4 6 8	5.6	4	24 4	- 4	51 2	6	87 0
6	23 1	G	93	6	5 9		24 8	8	1 01 0	s	87 0
46	22 6	58	97	66	6.6	76	25 6	86	53 4	96	89 8
2	22 3	2	. 8 4		6.9	2	26 0	2	54 1	2	89 4
4	22 0	4	8 1	4	73	4	26 4	4	54 8	4	90 0
4 6 8	21 8	4 6 8	7.8	2 4 6 8	7 6	2 4 6 8	26 8	2 4 6 8	53 5 1	2 4 6 8	20 0
. 47	21 3	57	7 2	67	8 3	77	27 6	87 °	51 9 52 6 53 4 54 8 54 8 56 2 57 0 57 8 58 6 59 4	97 °	91 7
2	21 0	2	6 0		8 6	. 2	27 6 28 0 28 4	2	57 8	2	92 2
(4)	20 7	2 4 6	6.6	6	89	2 4 6 8	28 4	2 6 8	58 6	2 6 8	92 8
6 8	20 5	6	63	6	92	6	74 B	6	50 4	6	93 4
49 8	20 0	58	5.7	6S 8	9.9	78 °	29 7	89	60 8 1	98	94 4
	30 3 0 8 5 3 0 7 7 5 3 1 8 6 6 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2	5 4	J.5	10 3	2	30 2		61 6	~ 2	68 5 3 70 0 7 71 4 1 7 77 7 8 5 5 7 7 7 7 7 7 8 5 5 7 7 7 7
2 4 6	19 4	2 4 6	5 1	2 4 6	10 6	2 4 6 8	30 7	2 4 6 8	62 4 i	2 4 6 8	93 5
6)	19 2	6	4.8	6	10 9	6	31 2	6	63 1 1	6	96 0
49 8	19 0	59	4 5	co 8	11 3	79 8	37 0	80 8	67.6	99 8	90 0
	19 4		3 9	69	12 0	. 2	32 7	2	65 4		97 7
2 4 6	18 1	2	3 6	ı ĩ	12 4	4	33 2	2	66 2	4	98 2
6	17 9	6	3 4	4 6 8	22223630741 0041 10223704703602603 10069360277793602603 1006936024703602603	6	33 7	8	67 0	2 4 6 8	99 8
50 8	18 7 19 4 18 1 17 9 17 6	60 8	14 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8	13 0	80 %	17 6 18 4 18 4 18 4 18 6 18 4 18 6 18 18 1 19 5 6 18 18 1 19 5 6 18 18 18 1 19 5 6 18 18 18 18 18 18 18 18 18 18 18 18 18	90 8	00 7 4 1 1 3 4 1 9 7 4 4 1 3 7 4 4 3 7 4 4 5 5 4 6 2 1 4 7 5 5 4 6 6 2 1 6 6 6 2 6 6 6 7 0 7 7 7 5	90 ⁸	87 0 87 6 87 2 88 8 89 4 90 0 90 6 91 7 92 2 93 9 94 4 95 5 96 6 97 1 97 2 99 8 99 8 99 8
1 50		(")	2.8	70		1	31 /	~	00 8 1	~	

19

Temperature 48° F.

Ą

Dies on Stein A Per cent, over Proof	Dres on Stem A Per cent over Proof	Divs on Stem Per cent.	Dive on Stem	Divs on Stem	Per cent over Proof	Dive on Stem.	Per cent over Proof
O 2 4 6 8 8 1 2 4 6 6 8 6 2 4 4 6 6 8 6 2 4 4 6 6 8 6 2 4 4 6 6 8 6 2 4 4 6 6 8 6 2 4 6 6 8 6 2 4 6 6 8 6 2 4 6 6 8 6 2 4 6 6 8 6 2 4 6 6 8 6 2 6 6 8 6 2 6 6 8 6 2 6 6 8 6 8	10 2 75 1 1 1 2 74 1 6 6 75 1 1 1 2 74 1 6 6 75 1 1 1 2 74 1 6 6 75 1 1 1 2 74 1 6 6 75 1 2 8 77 1 8 77 1 8 77 1 8 77 1 8 77 1 7 7 7 7	# 8 8 8 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 000 000 000 000 000 000 000 000 000 0	5 20 2 4 6 5 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	22 2 2 3 3 3 4 2 2 3 5 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	30 2 4 6 8 31 2 4 6 6 8 32 2 4 6 6 8 33 2 4 6 6 8 35 2 4 6 6 8 35 2 4 6 6 8 37 2 4 6 6 8 37 2 4 6 6 8 37 2 4 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	41 4 1 1 0 7 4 4 2 0 7 5 3 1 8 6 3 2 1 9 7 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

Temperature 48° F.

			-				1				
Days on Stem	jo	Dive on Stem	i .	Dise on Stem	- 20	Divs on Stem	00	Dive en Mem	joo	Diva on Stem	, e
Ę	he cent	5	er cent	e e	Por tent	E	or cent	Ę	Per cent under Proof	100	er cent
3	Per cent	5	Per cent	2	Per cent	5	Per cent under P	*	Per cent under P	5	Per cent under F
<u>-</u>				- - -	- -		_ & S	. <u>-</u> -	- <u>~</u>	<u> </u>	- E
40 2	074207581075810758907429641968908581811111111111111111111111111111111	50 2	17 0 7 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	m,	2 4	70	13 8	, 50 2	35 1	90	68 7
2 4 6 8	29 4	2 4 6	16 4	2 4 6 8	2 4 2 1 1 8 1 5 1 2 0 6 0 6	. 4 6	13 8 14 1 14 5 14 8 15 2 15 6 16 0	, 2 4 6	36 1	4 6 8	69 5 70 2
41 Š	29 0	_ š	15 9	. 8	1 2	8	14 8 15 2	6 8	36 6 1 78	6 8	70 9 71 6
1 2 4	28 5	51 2 4	15 6 15 3	61 2	0 9	71	15 6	81	37 6	91	72 3
4 6	28 2	4	15 0	2	0 3	- 6 8	16 4	2 4 6 8	38 7	2 4 6 8	73 7
8	27 5	. 8	14 5	6 8	0 3	- 8	17 2	8	39 3 39 9	6 8	71 4
42 2	27 3	52 2	14 2 13 9	62	06	72	17.6	52 4	40 5	92	22.8
4 6 8	27 0	2 4 6 5	13 7	2 4 6	1.2	4 6 8	18 3	2 4 6 8	- ii i	2 4 6 8	77 2
. 8	20 5	.33 ×	13 2	. 8	is	. 8	19 6	8	42 9	8	77 9 78 6
2 2	26 0	33 2	12 6	63 2	2 4	73 2	19 4	83	43 5	93	79 3
1	25 7 25 4	2 4 6 8	12 3 12 0	2 4 6 8	2 9	2 4 6 8	20 4	, 4 6 9	44.7	2 4 6 8	80 7
41 5	25 2	54 54	11 7	64	? į	74 8	21 3		45 9	8	82 0
4	24 6	2.	ii i	·** 2	4 6	" ₂	22 2	S4 2	40 a 47 2	94 2	82 6 83 3
6	24 1	2 4 6 8	10 5	2 4 6 8	4 3	2 4 2 8	22 6 23 0	4 6 8	47 9 48 6	2 4 6	83 9
45	23 0 23 6	35 S	9 9	65	10	75 *	23 4	82 8	49 3	าร	83 1
4 6 8	23 3 23 0	2	9.6	2	3.6	2	24.2	8 8 1 1 1 1	30 8		86 4
6	22 S	9 6 8	9.0	2 4 6 8	6.2	8 1 5	25 0	6	51 5 52 2	6 8	87 0 87 7
46	<u></u>	56 °	8 4	66)	6.9	76	25 4	8	53 0 53 8	96	88 3
4	21 9	2	5 1 7 8	2	7.2	2	26.2	2	54 5	2 1 6	รักรั
4 6 9	21 5	2 4 6 8	7.5	2 4 6 8	7.9	2 4 6 8	27 0	2 4 6 8	55 9	6	% f
17	21 0	57	6 9	67	3 6	77 °	27 8	87	57 4	97 S	91 2 91 7
4 6 8	20 4	4	6 3	4	93	4	28 2 28 6	4 6	58 2 58 9	2 4	023
, š	19 9	2 4 6 8	5 O	2 4 6 8	9 6 9 9	s s	29 1	6	59 6	2 4 6 8	93 1
48 2	19 7 19 4 19 1	59 2	5 4 5 1	65	10.6	下。	13 1 5 8 2 6 0 4 6 4 8 2 5 6 0 4 6 2 4 9 2 5 7 2 4 6 0 4 8 2 5 6 0 4 8 2 6 0 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1	58	35 6 1 6 1 7 6 1 7 7 8 9 5 2 7 7 3 9 5 2 9 6 4 1 9 7 8 7 7 8 9 5 2 9 6 4 1 9 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	93 ີ	44
2 4 6 8	1 CI 8 21 8 21	2 4 6 9	4.8	4	000111222373444455766677779989999603604704	8 2 4 6	16.22 17.6 19.3 19.0 19.0 19.0 19.0 19.0 19.0 19.0 19.0	4	62 6	4	95 7
49	15 6 15 4	59	4 2	9	11 6	8	32 1	6 8	64 1	8 9	96 0 96 6
2	18 4 18 1 17 5 17 6 17 3	2	3 6	69 2 4	12 0	7" 2	32 G 1 EE	89	64 S 65 6	99	97 1
2 6 1 8 .	18 1 17 5 17 6 17 3 17 0	2 4 6 9	33	6	12 7 13 0	2 6 8	33 f 33 6 34 f 34 6	2 1 6	66 4	4	H 4
50 ⁸	17 3 17 0	60	27	6 8	0.69925391470360577799999603604704493604777999996036036047049	ຣິ	31 6 35 1 .	8	61 9 62 6 63 4 64 1 64 8 65 6 67 2 68 7 4	6	869 707717171717171717171898718288315 4 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
					,		20 I I	90	68 7 ₄ 1	.00 ,1	99 8

A Temperature 49° F.

		Tembera		<u>- · </u>		
Dies on Stem	Divs on Stem A Per cent over Proof	Dry on Stem Per cent over Proof	Dive on Stem	Divs on Stem	Per cent over Proof - = = = = Divs on Stem	Per cent over Proof.
0 2 4 b 8 1 2 4 b 8 2 4 b 8 3 2 4 6 4 2 1 4 6 8	10 75 2 2 77 10 8 8 74 7 6 8 74 7 6 8 74 7 6 8 74 7 6 8 74 7 6 8 74 7 6 8 74 7 6 8 74 7 6 8 74 7 6 8 74 7 6 8 74 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0 68 8 2 (% 6 4 4 68 5 6 6 4 4 68 5 6 6 4 4 67 9 9 6 67 7 8 67 6 5 2 67 5 3 4 67 2 2 67 5 3 4 67 2 4 67 2 4 67 2 4 67 6 6 6 6 7 6 6 6 6 6 6 6 6 6 6 6 6	0 1 2 00 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	20 21 6 6 8 22 1 6 6 8 23 24 6 8 24 6 8	52 1 30 2 31 9 2 51 7 1 4 51 5 6 6 51 5 3 9 5 6 1 5 1 5 6 6 5 6 6 6 6 6 6 6 6 6 6 6	41 1 1 1 1 4 1 1 1 4 1 1 1 4 1 1 1 1 4 1 1 1 1 4 1 1 1 1 1 4 1
5 24 6 8 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	15	8 614 1 5 615 1 4 610 0 6 64 6 2 64 6 2 64 6 2 64 6 3 64 1 5 63 7 7 61 7 1 63 3 1 8 63 0 2 64 7 1 6 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1	15	25 2 4 6 8 26 4 6 8 27 2 4 6 8 29 29 29 29	48 2 4 47 7 7 4 7 7 7 4 7 7 7 3 4 7 7 7 3 4 7 7 7 3 4 7 7 7 3 4 7 7 7 3 4 7 7 7 3 4 7 7 7 3 4 7 7 7 3 4 7 7 7 3 4 7 7 7 3 4 7 7 7 3 4 7 7 7 3 4 7 7 7 3 4 7 7 7 3 4 7 7 7 3 4 7 7 7 3 4 7 7 7 3 4 7 7 7 7	- 36 2 0 9 37 5 3 1 37 5 3 3 3 7 3 3 4 4 2 2 3 3 5 3 3 3 3 1 3 3 6 3 3 1 3 1 3 2 6 3 3 1 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 1 3 2 6 3 3 3 3 1 3 2 6 3 3 3 1 3 2 6 3 3 3 1 3 2 6 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
6 9 2 4 6 81	4 69 8 6 69 7 8 69 6 19 69 3 4 69 2 6 6 2 9 6 8 8	1 62 7 5 62 5 8 62 3 9 62 1 2 62 6 4 61 8 4 61 8 1 8 61 4	4 53 7 6 53 5 8 53 5 19 53 1 2 53 1 4 52 7 6 52 5 9 52 1	29 29 29 4 6 8	43 5 2 43 3 4 43 0 6 42 8 8 42 5 39 42 3 2 42 1 4 11 5 8 41 3 10	31 6 31 3 31 1 20 9 30 6 30 4 30 1 29 9

GLASS HYDROMETER.

Temperature 49° F.

_			_		_		_				
Divs on Stem,		Dive on Stem		Dive on Stem		Days on Stem	ų.	Das on Mon	_	Divs on Mem	_
ž	Per cent over Proof	ž	er cent	ž	Per cent over Proof	ž	Ar cent under Proof	ž	er cent under Proof	ž	Per cent under Proof
5	ŧĚ	5	ŧΕ	5	받츄	5	팔리	ő	¥ =	Ę	47
1 -	Per cent	1 = 1	Per cent		Per cent over Pr	90	Per cent under I	*	Per cent under P	20	Per cent under I
) [5 5	ايًا	5 5) 🚊	25	ž	差量	٤	复量	á	25
lı-"											
10	29 7	50	16.7	UA.	20	70	14 1	80	35 5	90	68 0
2 1 6	29 4	2 4 6	16 \$		17	2 4 6	14 5	2 4 6	36 0	- 2	69 7
1 6	29 2	4	15.1	4	11	- 4	12.0		37.0	6	71 0
8	28 6	8	15 6	2 4 5	ó ŝ	9	15 6	8	37 5	2 4 6 8	71 7 1
. 41	29 7 29 4 29 2 29 0 29 6 29 4 29 4	51	16 7 16 1 15 1 15 8 15 6 15 3 15 9	61	0 5	71	14 5 14 9 15 2 15 6 16 0	81	35 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0	91	68 9 69 7 70 4 71 0 71 7 72 4 73 1 73 8 74 5 75 2 75 9
2	29 t	2 4 6 8	15 0	2 4 6 9	9.2	2 4 6	16 4	2 4 6 8	38 6	2 4 6 8	73 1
6 8	27 9	4	14 7		01	č	16 8 17 1 17 5 17 9 18 3	6	39 7	6	74.5
8	97	Ü	14 7	ě	0.7	8	17 5	š	10 3	8	75 2
	27 2	52	13 9	62	ió	7.2	17 9	82	40 3	92	75 9
2	26 9	2	13 7	2	13	2	18 3	2	41 3	- 2	76 6
# 6 8	26 7	2 4 6 8	13 4	2 4 6 8	1 6	2 4 6 8	12.6	2 4 6 8	42 1	2 4 6 8	78 0
"	20 5	6	13 1	8	2 9	8	19 4	š	43 4	8	78 7
	25 9	53	12 5		2 5	73	19 9	83	39 2 7 3 3 40 9 41 5 42 8 44 44 6 45 2 8 46 4	93	79 4
2	25 7	2	12 2	2	2 9	2	20 3	2 1 6	41 6	2	80 0
4	20 4	4	11 3	4	31		20.3	6	17.8	6	81 4
2 4 6 8	24 9	2 4 6 8	11 3	6 6 8	3 7	2 4 6 8	2) 7	8	46 4	4 6 8	82 0
41	21 6	54	11 6	64	4.0		22 1	84	47 0	94	92 7
2 4 6 8	24 3	2 4 6 8	10 7	2 4 6 8	4 4	2 4 6 8	22 6	2 4 6	47 6 48 3 49 0 49 7	2 4 6 8	83 3
4	24 0	4	10 4	4	5.0	6	23 0	6	49 3	6	81.5
8	23 6	9	9.8	8	5 3	8	23 8	9	49 7	8	85 2
45	23 3	55	9.5	65	56		21 2	65	30 4	95	95.8
2	23 0	2 4 6 8	9.2	2 1 6 8	6.0	2 1 6 8	21 6	2 4	51 2	2	55 4
1 8	22 7		8 6	,	6.6	6	25 4	6	52 6	6	87 7
Ř	22 2	Š	8 3	8	6.9	8	25 8	8	53 4	8	89 3
46	21 9	56	8 0	66	7 3	16	26 2	86	54 1	96	88 0
1 7	21 7	?	77		7.0	2 1 6	27 0	2 4 6	54 X	2	90.0
6	21 2	6	÷ i	- 6	9 3	- 6	27 4	- 6	56 2	6	92.6
5	20 9	2 4 6 8	6.8	4 h 8	8.6	4	27 8	8	56 9	6 8	91 2
47	20 7		r 5	67	. 9	77	24 2	57	57 7	97	91 7
2 46 46 24 65 47 24 68	27 0 7 4 2 2 7 5 2 2 7 7 4 2 2 7 6 7 7 8 6 8 0 7 7 5 2 2 2 7 7 7 4 2 2 7 6 7 7 8 6 8 0 7 7 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4 6 8	5.9	4 6 8	2074110852 00011110852 000111159 000111169 000111169 000111169 000111169 000111169 000111169 000111169 000111169 000111169 000111169 000111169 000111169 000111169 00011169 00011169 000169 0000169 00006 00006 00006 00006 00006 00006 00	4 6 8	29 0	2 4 6 8	50 9	6 8	92.2
6	19 9	6	źά	6	9 9	6	29 5	6	59 9	Ĝ	93 4
1,, 9	10.7	9	5.3	. 8	10 2	9	30 0	8	60 6	. 8	93 9
[45	19 4 19 1 19 8 19 6	58	5.0	68	10.6	79	39 3	99	61 3	99	94.4
ية ا	18.8	- 4	4 1	4	11 0 11 3 11 6	2 4 6	31 5	2 1 6	62 9	4	95 5
4 6	18.6	2 4 6 8	á i	2 4 6 8	11 6	Ğ	9049392716048260482c0482605050505050505050505050505050505050505	6	47 43 9 7 4 2 9 6 4 1 8 5 2 9 7 4 2 9 6 3 1 9 6 3 5 5 5 5 5 5 5 5 5 5 5 5 6 6 2 2 6 6 4	2 4 6 8	69 0 7 4 0 7 7 17 4 1 8 5 7 9 9 4 0 7 4 0 7 7 17 17 18 18 5 2 9 9 4 0 7 4 0 7 7 17 17 18 18 5 2 9 9 18 18 18 2 0 7 7 9 9 9 11 17 18 18 18 2 0 7 7 9 9 9 11 17 18 18 18 2 0 7 9 9 9 11 17 18 18 18 18 18 18 18 18 18 18 18 18 18
49 3	19 4	- 8	3 8	. 8	12 0	- 8	32 5	9	64 3	8	96 3
¹° -	17 0	59 .	35	69	12.4	79	33 0	89	65.0	99	97 2
;	17 5	4	25	2	iã í	2 4 6	31 Ú	2 4	65 8 F6 6	2 4 6	95 3
2 4 6 8	17.3	2 4 6	2.6	6	12 0 12 4 12 7 13 1 13 4 13 7	6	34.5	6	65 I	6	98 b
50 8	27 0 7 4 4 2 7 2 2 1 6 3 7 6 7 7 8 2 7 7 7 2 2 2 2 2 2 2 2 2 2 2 2 2	8		70 8	12 6 12 4 12 7 13 1 13 4 13 7 14 1	60 S	14455664815997764935827116048266482664826667656565656505050505050505050505050505	99	39 4 2 2 2 6 4 1 8 5 2 2 2 7 4 2 2 2 6 3 1 2 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	100	76 G 77 3 0 7 7 7 3 0 7 7 7 9 4 7 7 7 9 4 7 7 7 9 4 7 7 7 9 4 7 7 7 9 4 7 7 7 9 4 7 7 7 9 4 7 7 7 9 4 7 7 7 9 4 7 7 7 9 4 7 7 7 9 4 7 7 7 9 7 7 9 7 9
l ~′′	10.7	60	30	10	24 1	(4)	ພຸ	,	155 9	IN	99 9
	-			~							!

A Temperature 50° F.

Divs on Stem A Per cent over Proof	Divs on Stem A Fer cent	Divs on Stem Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent over Proof
0 2 4 6 8 1 2 4 6 6 8 2 2 4 6 6 8 6 6 2 4 6 6 8 6 6 2 4 6 6 8 6 6 2 4 6 6 8 6 6 2 4 6 6 8 6 6 2 4 6 6 8 6 6 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	10	0 65 64 68 31 64 65 67 7 7 67 67 67 7 7 6	13 2	56 0 55 8 55 6 55 5 55 3	20 2 4 4 6 8 22 2 4 6 6 8 23 2 2 4 6 6 8 20 2 2 4 6 6 8 20 2 2 4 6 6 8 2 2 2 2 4 6 6 8 2 2 2 2 2 6 6 8 8 2 2 2 2 2 6 6 8 8 2 2 2 2	50 7 5 5 5 5 5 5 5 5 6 5 7 5 6 5 7 5 6 5 7 5 7	30 2 4 6 6 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 3 3 2 4 6 6 8 8 8 8 3 2 4 6 6 8 8 8 4 6 6 8 8 8 4 6 6 8 6 8 8 8 4 6 6 8 6 8	10 7 5 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1

Temperature 50° F.

		_		_						_	
Divs on Stem	er cent over Proof	Divs on Stem	Per cent over Proof	Dive. on Stem	er cent over Proof	Divs on Stem	er cent under Proof	Divs on Stem	er cent under Proof	Divs. on Stem	er ceat under Proof
1 : 1	£	۰	87	٠.	54	ē	8 5	ı °	E H	, 8	2 5
E	Per cent over Pr	5	Per cent	1 6	Per cent over Pr	12	Per cent	8	Per cent	85	Per ceat
<u> </u>	<u> </u>		E .		Z°	<u> </u>	g. 2	А	15 3	(Ā	ដី "
40		50		60							
10 ,	29 3 29 1 29 6 29 6 29 4 29 1	5U a	16 3 16 0 15 8 15 5 13 2 14 9	60)	1 6 1 3 1 0 0 7 0 4 0 1	70	14 5 1 15 3 3 15 6 9 1 15 6 3 1 15 6 9 1 16 3 7 17 1 1 1 17 1 1 1 1 1 1 1 1 1 1 1 1	50	36 4 36 9 37 4 37 5 38 5 39 6 40 1 40 7 41 9 42 5 43 1 43 7 44 3 44 5 45 5	90	69 1 69 9 70 6 71 2 71 9 72 6 73 3 74 0 74 7 75 4 76 1 76 7 77 4 78 1 78 8 79 5
2 4	29 1 29 9 29 6 29 4	2	15 8	2 4 6 8	iö	2 4	14.9	2 4 6	36 4 36 9 37 4	2 4 6 8	69 9 70 6 71 2
1 6	29 6	6	15 5	6	07	6	15 6	6	37 4	6	71 2
8 ¹	29 4	51 51	15 5 13 2 14 9	61	0 4	. 8	15 9	. 8	37 9 39 5	. 8	71 9
	97.0		14 7	91 .		71 .	16 3	81 ,	39 5	91 2	72 6
2	27 7	4	14 4	2	0.5	2	17 1	2	39 0	- 4	73 3
6 8	27 4	6	14 1	6	0.8	1 8	17 5	6	40 1	6	74 7
. 8	27 9 27 7 27 4 27 2 26 9 26 6	. 8	13 8 13 5	٩	11	72 8	17 9	8	40 7	. 8	72 6 73 3 74 0 74 7 75 4 76 1 76 7 77 4
42 2	20 0	52	13 5	, 63	1 4	12 9	18 3	82	41 3	92	76 1
1	26 4	ī	12 9	2 4 6	2 0	2 4 6	. 19 1	4	41 9	2	70 7
6	26 1	2 4 6 8	12 6	6	2 3	6	19 4	4 6 8	43 1	6	79 1
43	25 9	53	12 4	∣ ₆₃ 8	2 6	73	19 9	8	43 7	8	78 8
** 2	27 9 7 27 7 4 2 2 2 7 7 2 2 2 6 6 6 2 2 3 3 2 2 2 9 9 2 2 2 7 4 2 2 6 1 1 2 1 3 6 2 2 7 7 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1		13 2 12 9 12 6 12 4 12 1 11 8 11 5 11 2	. 63	0 2 0 5 0 8 1 1 4 7 7 2 2 3 2 5 3 2 5 3 4 1 4 4 7 7 6 0	, 13 2	19 9 3 7 2 6 1 20 3 7 2 6 1 2 2 2 3 3 4 8 2 2 6 2 7 2 7 8 2 2 6 0 4 2 2 7 2 7 8 2 9 9 0 4 2 7 8 2 9 9 0 4 3 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1	83	30 0 30 6 40 1 40 7 41 3 41 3 42 5 43 1 43 7 44 3 44 0 45 5 46 7 47 4	93	79 1 78 8 79 5 80 1
4	25 1	2	, 11 5	4 6	3 5	1 2 1 4 6 8	21 2	2 4 6	45 5	2 4	80 8
6	21 9	6 8	11 2	6	3 8	G	21 6	6	46 1	6	81 4
44 8	21 6	54	10 9	64	4 1	74	22 1	8	46 I 46 7	8	81 4 82 1 82 8 83 4
** 2	24 0	3, 2	10 3	1 2	4 4		22 5	81 ,	47 4	91 2	82 8
4	23 8	4	10 0	2	- 3 i	2 4 6 8	23 4	2	49 0 49 7	4	83 4 84 0 84 6 85 2
6 8	23 5	6	9 7	ù	5 4	6	23 8	6	49 4 50 2	. 6	84 6
45	23 2	53 53	9 4	65	5 7	75	24 2	85	49 7 49 4 50 2 50 9 51 6	8	85 2
	22 7		8 8		1 63		23 0		50 9 51 6 52 3	95	85 8 86 1
4	22 4	2 4 6 8	8.5	1 2	6 6	4	25 4	1 4 6	52 3	4	87 1
6 8	22 1	6	8 2	6	6.9	6 8	25 8	6	1 53 0	6	87 7
46	21 6	50	7.6	66 8	63 66 69 72 76 79 83 86 89	76	26 2	86	53 7 54 4 53 1 55 8 56 5 57 2 59 0 58 7 59 4 60 2 60 9	96	84 0 84 6 85 2 85 8 86 4 87 1 88 3 88 9 90 1 90 7 91 2 91 2 92 3 92 8
2	21 3	. 2	7 3	2	7 9	. 2	27 0		54 4 55 1 55 8 56 5 57 2 59 0 58 7 59 4 60 2	2	88 9
1	21 1	1 4 6 8	7 0	1 6	8 3	2 4 6	27 4	4 6	55 8	4	90 1
6 8	20 9	6	67	8	86	8	27 8	8	56 5	6	90 7
47	20 4	57	61	67 "	93	77 °	29 2	87	57 2	97	91 8 92 3 92 8
2	20 1	2	5 8	2	9 6	. 2	29 0		58 7	2	018
6	19 8 19 6	6	5 5	2 4 6 8	10 0	2 4 6 8	29 4	6	59 4	4	92 8
8	19 3	8	4.0	B	10 8	6	29 9	8	60 2	6	93 4
49	19 3	59	4 6	68	ı ii ö	78	30 4 30 9 31 4	89	60 9	99	93 4 93 9 94 4
4	18 8	2	4 3	4	11 3	2	31 4	2	61 6 62 4 63 1	. 2	95 0
6	18 8 18 6 18 3 19 1 17 8 17 5	2 4 6	40	4	0 2 5 0 6 1 1 1 0 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	2 4 6 8	31 9 32 4	4	60 9 61 6 62 4 63 1 63 8 64 5 65 2 66 0 66 8 67 6	, 4.	95 0 95 5 96 I
8	19 1	8	3 4	6 8	12 3	8	32 4	6 8	63 8	6	96 I
49	17 8	59	3 1	- 69	12 7	79	33 4	89 "	65 9	99	96 6
2	17 5	. 4	28	2	13 1	2	33 9	2	66 0	2	97 1 97 7 98 2
6	17 8 17 5 17 2 16 9 16 6	6	20	6	13 4	4	31 4	4	66 8	4	99 2
8	17 2 16 9 16 6 16 3	6 8	11 14 1 14 14 14 14 14	8	13 4 13 7 14 1 14 5	6	31 9 32 4 32 0 33 4 33 9 34 4 31 9 35 4 35 9	6 8	63 8 64 5 65 2 66 0 66 8 67 6 68 3	6	99 8
50	16 3	60	16	70	14 5	80	35 9	90 "	69 1	100	97 1 97 7 99 2 99 8 99 3
		·	<u> </u>								JJ J

25

Temperature 51° F.

A		Temp	erat	ure	51° 1	₹.			
Divs on Stem	Divs on Stew A	Dirs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Dire, on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0 2 4 6 8 1 8 4 6 8 6 8 2 4 6 6 8 6 2 4 6 6 8 6 8 2 4 6 6 8 6 8 2 4 6 6 8 6 8 2 4 6 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8	6 74 8 73 12 73 12 73 13 73 13 73 13 73 14 72 14 72 14 72 15 71 16 71 16 71 16 71 16 71 16 71 70 17 70	0 2 2 4 8 8 2 4 4 8 8 8 8 8 8 8 8 8 8 8 8	9588977877778665643197697220976431097554319775420976431097554319775420976431097554319775420976446464646464666466664666666666666666	6 8 11 2 4 6 9 12 2 4 6 8 13 2 4 6 8 14 2	00000000000000000000000000000000000000	23 2 4 6 8 8 22 2 4 6 6 8 8 24 2 4 6 6 8 8 22 2 4 6 6 8 8 2 2 2 2 4 6 6 8 2 2 2 2 4 6 6 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{c} \textbf{0.01518309503009944207531} & \textbf{0.753197531} & \textbf{0.7531974208644207419974331207531} \\ \textbf{0.01518309503099442075331} & 0.75319753144444443744443742222222444444400753741974444444444747444444444444444444444$		7530 975 975 975 975 975 975 975 975 975 975

Temperature 51° F

٠,-

A

Temperature 52° F.

=	^										
Dire on Stem	Per cent over Proof	Dire on Stem	Per cent over Proof	Divs on Stem	Per cent. over Proof	Dire on Stem	Per cent over Proof	Dire, on Stem	Per cent over Proof	Divs on Stem	Per cent aver Proof
0 2 4 4 6 6 8 2 2 4 4 6 6 8 8 4 6 6 8 8 6 6 2 4 6 6 6 8 8 6 6 2 4 6 6 6 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	H	10 2 4 6 6 8 8 8 11 2 4 6 6 8 8 12 2 4 6 6 8 8 15 2 4 6 6 8 8 16 2 4 6 6 8 8 16 2 6 8 8	74 8 7 7 74 4 2 1 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0 2 4 6 8 8 1 2 4 6 8 8 5 2 4 6 6 8 6 8	68 2 1 68 0 67 8 1 67 6 6 67 7 7 1 67 6 6 67 7 1 67 6 6 67 7 1 67 6 6 67 7 1 67 6 6 6 7 1 6 6 7 1 6 6 7 1 6 6 7 1 6 6 7 1 6 6 7 1 6 6 7 1 6 6 7 1 6 6 7 1	10 2 4 6 8 8 12 2 4 6 6 8 8 15 2 4 6 6 8 8 16 2 4 6 6 8 8 16 2 4 6 6 8 8 16 2 4 6 6 8 8 16 2 4 6 6 8 8 16 2 4 6 6 8 8 16 2 4 6 6 8 8 16 2 4 6 6 8 8 16 2 4 6 6 8 8 16 2 4 6 6 8 8 16 2 4 6 6 8 16 2 4 6 6 8 16 6 8 16 2 4 6 6 6 8 16 2 4 6 6 6 8 16 2 4 6 6 6 8 16 2 4 6 6 6 8 16 2 4 6 6 6 8 16 2 4 6 6 6 8 16 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	60 5 60 1 60 0 50 8 50 7 59 8 59 7 59 8 59 8 59 8 59 8 59 8 59 8 59 8 59 8	20 2 4 6 8 21 2 4 6 6 8 8 22 2 4 6 6 8 8 20 2 4 6 6 8 8 20 8 20 8 20 8 8 20 8 8 8 20 8 8	51 3 51 2 51 0 50 8 50 5 50 3 50 1 49 7 49 7 49 7 49 7 49 7 49 7 49 7 49 7	30 2 4 6 8 32 2 4 6 8 8 33 2 4 6 8 8 35 2 4 6 6 8 8 36 2 4 6 6 8 8 36 2 4 6 6 8 8 36 2 4 6 6 8 8 8 36 2 4 6 6 8 8 8 36 2 4 6 6 8 8 8 8 36 2 4 6 6 8 8 8 8 36 2 4 6 6 8 8 8 8 36 2 4 6 6 8 8 8 8 36 2 4 6 6 8 8 8 8 36 2 4 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	404 2 400 7 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
7 2 4 4 6 8 8 2 4 4 6 8 9 2 4 4 6 8 8 10	75 2 75 1 75 0 74 9 74 8	17 2 4 6 8 18 2 4 6 8 8 19 2 4 6 8 8 29	70 2 2 6 7 7 0 9 8 6 9 8 7 7 6 9 8 6 9 8 6 9 8 6 9 8 6 9 8 6 8 6 8 6	7 2 4 6 8 8 2 4 6 8 9 2 4 6 8 8 10	63 9 63 7 63 7 63 3 63 1 63 0 62 7 62 5 62 7 62 5 62 1 62 0 61 8 61 4 61 3 61 4 61 3 61 60 7 60 7	17 2 4 6 8 18 2 4 6 8 8 19 2 4 6 8 8 20 8	55 57 53 1 9 7 5 54 7 6 4 2 1 9 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	27 28 28 29 29 29 30	41 1 43 9 43 6 43 3 43 1 42 8 42 5 42 3 42 1 41 9 41 6 41 4 41 1 40 9 40 6	37 2 4 6 8 39 2 4 6 8 40 8	32 4 32 1 31 9 31 5 31 5 31 2 30 5 30 5 30 5 29 7 29 7 29 2 29 2 29 8

Temperature 52° F.

$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	69 6 70 3 71 0 71 6 72 3 73 0 73 7 74 4 75 1 75 8 76 5 77 1 78 9 80 4 81 7
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	778 5 5 7 7 7 9 8 0 4 1 4 1 7 7 8 8 3 6 2 8 8 4 8 8 8 6 1 7 7 8 9 6 8 8 9 9 8 8 9 9 9 8 9 9 9 9 9 9 9

A

Temperature 53° F.

			-		1 =	
Days on Sten	Diva on Mem	Days on Stem Per cent over Proof	Diva on Stern Per cent over Proof	Days on Stem.	Dive on Stem	Per cent over Proof
0 2 4 6 8 1 2 4 6 8 8 3 2 4 6 8 8 4 2 6 6 8 5 5 2 4 6	10 2 1741 5 1 2 1741 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	# 1	1 50 3 6 50 1 1 15 2 5 5 6 5 1 9 5 5 6 5 1 9 5 1 9 5 1 9 5 1 7 3 1 9 1 1 5 1 7 7 6 6 7 1 7 3 1 9 1 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	20 2 10 10 10 10 10 10 10 10 10 10 10 10 10	31 2 4 6 8 8 3 2 1 6 8 8 8 3 2 1 6 6 8 8 8 3 2 1 6 6 8 8 8 3 2 1 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	10 1 2 9 7 7 7 7 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7

Temperature 53° F.

0 2 3 4 7 7 15 3 00 0 7 70 15 6 80 37 1 90 00 8 4 1 1 1 1 4 8 4 1 1 1 4 16 4 4 1 91 1 1 4 71 2 1 6 6 1 2 7 1 5 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Diva. on Stem	Per cent over Proof	D _i vs on Stem	Per tent over Proof	Dive on Stem	Per cent over Proof	Divs on Stea	Per cent under Proof	Div. on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
	40 2 4 6 6 8 41 2 4 6 6 6 8 42 2 4 6 6 6 8 43 2 4 6 6 6 8 44 6 6 6 8 44 6 6 6 6 6 6 6 6	16 8	51 2 4 6 8 2 4 6 8 6 8 4 6 8 6 8 6 8 6 8 6 8 6 8 6 8	\$ 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	24 GS 24 GS 24 GS 32 4	000114703703602581470370766769760777	71 2 4 6 8 7 2 2 4 6 8 7 2 2 4 6 8 7 3 2 4 6 8 7 3 2 4 6 8 7 3 4 6 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7	16 4 7 117 0 117 4 117 0 117 4 118 2 118 2 119 0 119 4 119 0 119 119 119 119 119 119 119 119 1	2 4 6 6 8 8 2 4 6 6 8 2 6 6 6 8 2 6 6 6 6 6 6 6 6 6 6 6	10 2 8 41 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2 4 4 6 6 8 91 2 4 4 6 6 8 92 2 4 4 6 6 8 93 2 2 4 4 6 6 8 93 2 2 4 6 6 8 95 2 2 4 6 6 8 95 2 2 4 6 6 8 95 2 2 4 6 6 8 95 2 2 4 6 6 8 95 2 2 4 6 6 8 95 2 2 4 6 6 8 95 2 2 4 6 6 6 95 2 1 6 6 6 95 2 1 6 6 6 95 2 1 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 95 2 1 6 6 6 6 6 95 2 1 6 6 6 6 6 95 2 1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	83 1 84 3 84 3 85 5 86 2 85 6 86 2 86 8 87 4 89 0 89 2 90 3 90 3 90 5 91 5 92 1 92 1 93 1 94 2 95 8 97 5 97 5 98 9 98 9 98 9 98 9 98 9 98 9 98 9 98

A Temperature 54° F.

	<u> </u>								
Per	Divs on Stem A Per cent over Proof	Dive on Stem	Per cent. over Proof	Dive on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0 2 4 5 8 1 2 4 6 8 8 2 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 7 2 4 6 8 8 2 4 7 7 2 4 4 6 8 8 2 4 7 7 2 4 4 7 8 8 8 2 4 7 7 7 2 4 7 7 7 7 7 7 7 7 7 7 7 7 7	10 2 74 4 2 74 1 1 1 2 73 1 0 1 1 1 2 73 7 6 1 1 1 2 73 7 6 1 1 2 73 7 6 1 1 2 73 7 6 1 1 2 73 7 6 1 1 2 73 7 6 1 1 2 73 7 6 1 1 2 73 7 6 1 1 2 7 7 1 0 1 1 2 7 1 1 1 2 7 1 1 1 2 7 1 1 1 2 7 1 1 1 2 7 1 1 1 2 7 1 1 1 2 7 1 1 1 2 7 1 1 1 2 7 1 1 1 1	0 2 4 4 6 8 2 4 4 6 8 8 2 4 4 6 5 9 2 4 4 6 8 8 2 4 6 6 8 8 2 4 6 6 6 8 8 2 4 6 6 6 8 8 2 4 6 6 6 8 8 2 8 6 6 8 8 2 8 6 6 8 8 8 8 8	77 77 6 4 2 1 1 9 7 7 7 7 8 7 7 6 7 7 7 8 7 8 7 7 6 7 7 8 7 8	10 2 4 6 1 1 2 4 6 6 8 1 1 2 2 4 6 6 8 1 1 2 2 4 6 6 8 1 1 2 2 4 6 6 8 1 1 2 2 4 6 6 8 1 1 2 2 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00 1 0 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	20 2 4 6 8 22 2 4 6 8 8 25 2 4 6 8 8 27 2 4 6 8 27 2 4 6 8 27 2 4 6 8 27 2 4 6 8 27 2 4 6 8 27 2 6 8 27 2 6 8 3 6 8 3 6 8 3 6 8 8 3 6 8 8 8 8 8 8	50 6 4 2 0 0 8 6 4 9 2 0 0 8 6 7 7 8 6 7 7 7 2 0 7 9 0 8 6 7 9 9 8 6 7 9 9 8 6 7 9 9 8 6 7 9 9 8 6 7 9 9 8 6 7 9 9 8 6 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	30 2 4 4 6 8 32 2 4 6 6 8 33 2 4 6 6 8 33 2 4 6 6 8 33 2 4 6 6 8 33 2 4 6 6 8 33 2 4 6 6 8 33 2 4 6 6 8 33 2 4 6 6 8 8 8 33 2 4 6 6 8 8 33 2 4 6 6 8 8 33 2 4 6 6 8 8 33 2 4 6 6 8 8 8 3 3 3 2 4 6 6 8 8 8 3 3 3 2 4 6 6 8 8 8 3 3 3 2 4 6 6 8 8 8 3 3 3 2 4 6 6 8 8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	9964197733199641197531997531988977429753198897742975319889774297531989774297531989774297531989774297531975222322887742975319752223228877429753222322288774297532223222322232223222322232223223222322

Temperature 54° F.

	-	===		_	==	-	-	==		-	,= =
Divs on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent under Proc1	Divs on Stem	Por cent under Proof	Dies on Stem	Per cent under Proof	Divs on Stem	Per cent uader Proof
40 2 4 4 6 8 4 2 4 4 6 8 4 7 2 4 6 8 4 7 2 4 6 8 4 7 2 4 6 8 4 7 2 4 6 8 4 7 2 4 6 8 4 7 2 4 6 8 4 7 2 4 6 8 7 2 4 6 7 2 4 6 8 7 2 4 6	730 730 730 730 730 730 730 730 730 730	50 24 68 24	074207529630741852963074185296307418529630741852963	2468 2468 2468 2468 21468 21468 21468	000111222333444555666777788888099000111111112121313111111155	10 12 16 8 2 16	26 8 27 2 27 0 25 0 25 4 28 8 29 2 2 30 0 30 5 31 0 32 5 33 6 33 5 31 5	80 2 4 6 8 2 4 6 8 2 4 6 8 8 2 6 6 8 8 2 4 6 8 8 2 6 6 8	33333333333333333333333333333333333333	90 2468 2468 2468 2468 2468 2468 2468 2468	70 0 7 7 7 7 8 5 2 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7

2 Fin. D

A Temperature 55° F.

Dies on Stem	Days on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem.	Per cent over Proof
0 2 4 6 8 1 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 8 2 4 6 8 8 8 2 4 6 8 8 8 2 4 6 8 8 8 2 4 6 8 8 8 2 4 6 8 8 8 2 4 6 8 8 8 2 4 6 8 8 8 2 4 6 8 8 8 2 4 6 8 8 8 2 4 6 8 8 8 2 4 6 8 8 8 2 4 6 8 8 8 2 4 6 8 8 2 6 8 2 6 8 8 2 6 8 2 6 8 8 2 6 8 2 6 8 8 2 6 8 2 6 8 8 2 6 8 2 6 8 2 6 8 8 2 6	10 2 4 8 8 11 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	69 6 69 5 69 3 69 2 68 9 68 8 68 7 68 5 68 4 68 3 68 3	0 2 4 6 8 8 2 4 6 6 8 8 2 4 6 6 8 8 2 4 6 6 8 8 2 4 6 6 8 8 2 4 6 6 8 8 2 4 6 6 8 8 2 4 6 6 8 8 10 8 8 10 8 8 10 8 10	67 6 6 6 7 7 6 6 6 6 7 7 6 7 7 6 7 7 7 8 7 7 8 7 8	10 2 4 6 8 11 2 4 6 6 8 13 2 4 4 6 6 8 15 2 4 4 6 6 8 15 2 4 4 6 6 8 15 2 4 6 6 8 19 2 10 10 10 10 10 10 10 10 10 10 10 10 10	555 5 557 3 558 19 544 5 544 5 544 5 544 5 545 19 545 19 545 19 546 5 547 7 548 5 548 19 548 19 558 19	20 2 4 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 8 2 2 8 2 2 9 2 4 6 6 8 2 2 8 2 2 8 2 2 9 2 4 6 6 8 2 2 8 2 2 9 2 4 6 6 8 2 2 8 2 2 9 2 4 6 6 8 2 2 8 2 2 9 2 4 6 6 8 2 2 8 2 2 9 2 4 6 6 8 2 2 8 2 2 9 2 4 6 6 8 2 2 8 2 2 9 2 2 4 6 6 8 2 2 8 2 2 9 2 2 4 6 6 8 2 2 8 2 2 9 2 2 4 6 6 8 2 2 8 2 2 9 2 2 4 6 6 8 2 2 8 2 9 2 9 2 2 4 6 6 8 2 2 9 2 2 4 6 6 8 2 2 9 2 2 4 6 6 8 2 2 9 2 2 4 6 6 8 2 2 9 2 2 4 6 6 8 2 2 9 2 2 4 6 6 8 2 2 9 2 2 4 6 6 8 2 2 9 2 2 4 6 6 8 2 2 9 2 2 4 6 6 8 2 2 9 2 2 4 6 6 8 2 2 9 2 2 4 6 6 8 2 2 9 2 2 4 6 6 8 2 9 2 9 2 2 4 6 6 8 2 9 2 9 2 2 4 6 6 8 2 9 2 9 2 2 4 6 6 8 2 9 2 9 2 2 4 6 6 8 2 9 2 9 2 2 4 6 6 8 2 9 2 9 2 2 4 6 6 8 2 9 2 9 2 2 4 6 6 8 2 9 2 9 2 2 4 6 6 8 2 9 2 9 2 2 9 2 2 4 6 6 8 2 9 2 9 2 9 2 2 4 6 6 8 2 9 2 9 2 9 2 9 2 2 9 2 2 4 6 6 8 2 9 2 9 2 9 2 9 2 9 2 9 2 9 2 9 2 9 2	50 6 1 9 7 5 5 6 6 7 5 6 7 7 7 7 1 9 9 7 7 7 7 7 1 9 9 7 7 7 7 7	30 2 4 6 8 31 2 4 6 6 8 32 2 4 6 6 8 32 2 4 6 6 8 33 2 2 4 6 6 8 37 2 2 4 6 6 8 37 2 2 4 6 6 8 39 2 4 6 6 8 39 2 4 6 6 8 8 8 2 2 4 6 6 8 8 8 2 2 4 6 6 8 8 8 2 2 4 6 6 8 8 8 2 2 4 6 6 8 8 8 2 2 4 6 6 8 8 8 2 2 4 6 6 8 8 8 8 2 2 4 6 6 8 8 8 8 2 2 4 6 6 8 8 8 8 2 2 4 6 6 8 8 8 8 2 2 4 6 6 8 8 8 8 2 2 4 6 6 8 8 8 8 2 2 4 6 6 8 8 8 8 2 2 4 6 6 8 8 8 8 2 2 4 6 6 8 8 8 8 2 2 4 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	33 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3

Temperature 55° F.

		_	==					1	==,		
Dirk on Stom.	Per cent over Proof	Dive on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
1 6	25	ā	100	ā	F 2	Ã	E B	Â	5 2	Á	Pa n
					احتث						
40	27 8	50	14.7	60		70	16 3 16 7 17 1 17 4 17 8 18 2 18 6 19 0 19 4 10 8	80 2	37 8 38 3 38 8 39 3 39 8 40 4 41 0 41 6 42 2 42 8 43 3 43 9 44 5	90 ₂	70 2 70 9 71 6 72 3 73 0 73 7 74 4 75 0 75 7 76 4 77 0 77 7 78 4 79 6 80 9 81 5 82 1 82 1 83 4
1 2	27 6	2	14 2	2 4 6	06	2	17 i	4	38 8	4	71 6
2 4 6 8	27 1	6	13 9	6	0.9	6 8	17 4	6	39 3	6	72 3
41 ⁸	26 6	51 8	13 3	61 8	15	71	18 2	81	40 4	91	73 7
1 2	26 3	2	13 0	1 0	18	2	18 6	2	41 6	2 4	75 0
6	27 6 27 4 27 4 27 4 27 4 28 6 26 8 26 8 27 2 28 8 28 8 29 8 20 8 20 8 21 9 22 9 24 6 23 8 24 6 25 22 7 24 8 21 8 21 8 21 8 21 8 21 8 21 8 21 8 21	4 6	12 6	4 6	24	6	19 4	4 6	42.2	6	75 7
1 42 B	25 6	52 52	12 3	62	27	72 8	10 8	82	42 8	92	77 0
2	23 I	2 4	11 7	2	3 3	2	20 6	2	43 9	2	77 7
8	24 9	4	11 4	4 6	3 6	6	21 0	4 6	45 1	4 6	78 4
š	24 3	6 8	10 8	3 8	4 2	8	21 8	8	45 1 45 7	8	79 6
43 2	24 1	53	10 5	63 2	45	73 2	22 6	83 2	46 3 46 9	93	80 9
4	23 5	2 4 0	9 9	4	51	2 4 0	23 0	2	46 9 47 5 48 1 48 7 49 4	4	81 5
8	23 2	8	03	8	54	74	23 4	6	48 7	4 6 9	82 8
44 2	22 7	54	8.9	64	60	74	24 2	84	49 4 50 0	94 2	83 4
1 4	22 1	2	8 3	2	6 4	2 4 6 8	25 0	2	50 7	4	84 6
8	21 8	8	80	6 8	70	6	25 4	8	61 4	8 8	85 2
45	21 6 21 6 21 3 21 1 20 3 20 6	65	7 4	63	77	75	26 2	85	52 7	95	86 4
1 2	21 1	4	71	2	80	4 6 8	26 6	2 4 6 8	53 4	2 4 6	87 0
11 6	20 6	! 6	6 6	6	8 6	6	27 4	6	54 7	i	88 2
46 8	20 4	56	6.0	66	8 9	76	27 8	86	56 1	96	88 8
1 2	20 1 19 8	2	5 7	2	9 6	. 3	28 6	2	56 8	3	89 9
4 6	20 4 20 1 19 8 19 6 19 3 19 1	4	51	1 6	10 0	6	29 0	4 6 8	59 1	4 6 8	91 1
1 47 8	19 1	57 8	4 8	8	10 6	. 8	30 0	8	58 8	97	91 6
] ":	19 3 19 1 18 9 18 3 18 1 17 2 17 0 16 7 16 4 15 5 15 3 15 7	3/ 2	1442961111144296111111441111111111111111	67 2	0 3 6 0 0 9 1 1 1 5 8 1 1 1 1 1 1 7 7 7 1 1 3 1 4 1 1 1 1 1 7 7 1 1 1 3 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	77 2	19 4 4 10 8 2 12 20 6 2 21 00 6 2 21 00 21 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	87 2	50 7 51 4 52 7 53 4 54 7 55 4 56 8 57 5 59 1 58 8 59 5 60 2 60 0 62 3 63 0 64 4 65 8 66 8 67 5 68 0 68 0 68 0 68 0 68 0 68 0 68 0 68 0		70 2 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
1 1	18 3	1 4	3 9	4 6	11 7	4 6 8	31 5	2 4 6 8	60 9	4 6 8	93 2
8	17 8	8	3 3	8	12 4	. 8	32 5	8	62 3		94 3
18 2	17 5	58 2	30	68	12 7	1 79	33 0 33 5 34 0 34 4 34 9 35 3 35 8 36 3 36 8 37 3	88	63 0	98 2	94 9
4	17 0	4	24	4 6	13 4	4 6	34 0	4 6 8	64 4	4	25 9
. 8	16 4		18	' 6 8	13 7	· 6	34 4	6 8	65 1	4 6 8	96 5
19 2	16 1 15 8 15 5 15 3	59	1.5	69	14 4	. 79	35 3	89	66 5	99	97 6
4	15 5	1 4	0 9	2	14 4 14 8 15 2 15 6	2	35 8	4 6	67 3 68 n	2 4 6	1 98 4
1 8	15 3	, 6	0 6	6	14 8 15 2 15 6 16 0 16 3	1 6	35 3 35 8 36 3 30 8 37 3 37 8	6	68 7	1 6	1 99 1
50	, 14 7	60 8	100	-, 70	16 0	80 8	37 8	90 8	42 2 43 3 3 44 5 1 7 4 44 5 1 7 4 44 5 1 7 4 44 5 1 7 4 44 5 1 7 4 4 5 1 7 4 4 5 1 7 4 4 5 1 7 4 4 5 1 7 4 4 5 1 7 4 4 5 1 7 4 4 5 1 7 4 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1	100 8	99 G
1			1	1	<u> </u>	1		1	1	<u>1 </u>	<u> </u>

35

A Temperature 56° F

			=					_	=		
Days on Stem	Per cent over Proof	Diva on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dire on Steni	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof
0 2 4 6 8 8 2 6 6 8 2 6 6 8 6 8 2 6 6 8 6 8 6	75 2 75 10 76 77 4 77 4 77 4 71 4 71 4 71 4 71 4 71 4	10 2 4 6 8 11 2 4 6 6 8 13 2 4 4 6 6 8 14 2 4 6 6 8 15 2 4 6 6 6 8 17 2 1 6 6 6 6 18 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	74 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 2 4 6 6 8 2 4 6 6 8 2 4 6 6 8 2 4 6 6 8 2 4 6 6 8 2 4 6 6 8 2 4 6 6 8 2 4 6 6 8 2 4 6 6 8 2 4 6 6 8 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	TT 54 3 1 0 9 8 8 6 6 5 3 3 6 4 4 2 0 6 6 5 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	10 2 4 6 6 8 12 2 4 6 6 6 8 15 2 4 6 6 6 16 2 17 2 4 6 6 6 18 17 2 4 6 6 6 18 17 2 4 6 6 6 18 18 2 4 6 6 6 18 18 2 4 6 6 6 18 18 2 4 6 6 6 18 18 2 4 6 6 6 18 18 2 4 6 6 6 18 18 2 4 6 6 6 18 18 2 4 6 6 6 18 18 2 4 6 6 6 18 18 2 4 6 6 6 18 18 2 4 6 6 6 18 18 2 4 6 6 6 6 6 18 18 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	89 65 97 5 9 1 9 7 7 5 3 1 1 0 8 6 6 4 2 2 1 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	25 25 4	89 1 9 9 7 5 3 1 9 7 5 7 1 9 6 6 4 2 2 0 7 7 5 5 3 1 9 7 7 7 8 9 6 4 4 2 4 1 7 7 7 5 7 1 9 6 6 4 2 2 0 7 7 7 5 7 1 9 8 9 9 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	30 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	99 3 3 8 5 3 1 8 6 8 6 8 7 7 8 6 8 7 7 8 6 8 7 7 8 6 8 7 7 8 6 8 7 7 8 6 8 7 7 8 6 8 7 7 8 6 8 7 7 8 6 8 7 7 8 6 8 7 7 8 7 8

Temperature 56° F.

								-	_		
Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
24 68 42 4 68 44 2 4 68 45 2 4 68 46 8 46 8 46 8 47 2 4 68 47 2 4 68 49 2 4 68 49 2 4 68 8 40 68 8 40 68 8 68 8 68 8 68 8 6	27 2 26 8 27 1 26 8 6 26 3 27 28 8 21 25 8 8 2 25 8 8 2 25 8 8 2 25 8 8 2 25 8 8 2 25 8 8 2 25 8 25 8 25 8 2 25 8	2468 2468 2468 114	1419631853296307418529631818229630741852963181822963074185296333333333333333333333333333333333333	60 2 4 6 8 6 8 6 2 4 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 70 6 8 70 70 70	00011121170369925814703603699160770481447711111111111111111111111111111	70 2 4 6 8 73 2 4 6 6 8 75 2 4 6 6 8 77 2 4 6 6 8 78 2 4 6 6 8 78 2 4 6 6 8 78 2 4 6 6 8 78 2 4 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8	10 7 1 4 7 7 1 8 1 5 9 3 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	80 2 4 4 6 8 8 2 4 6 6 8 8 7 2 4 6 6 8 7 2 4 6 6 8 7 2 4 6 6 8 7 2 4 6 6 8 7 2 4 6 6 8 7 2 4 6 6 8 7 2 4 6 6 8 7 2 4 6 6 8 7 2 4 6 6 8 7 2 4 6 6 8 7 2 4 6 6 8 7 2 4 6 6 8 7 2 4 6 6 7 2 4 6 7 2 4 6 6 7 2 4 6 6 7 2 4 6 7 2	27 27 28 27	00 2 4 6 8 91 2 4 6 8 92 2 4 6 8 93 2 4 6 8 95 2 4 6 8 95 2 4 6 8 95 2 4 6 8 95 2 4 6 8 95 2 4 6 8 95 2 1 6 8	70 1 1 1 1 1 1 2 5 5 6 6 6 1 1 1 2 1 2 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6

A Temperature 57° F

	<u> </u>									
Divs on Stem A Per cent	Divs on Stem	Per cent over Proof	Dive on Stem	Per cent over Froof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Dive on Stem	Per cent, over Proof
0 4408 2468 2468 2468 2468 2468 2468 2468 246	10 2 4 6 8 8 8 12 2 4 4 4 4 4 4 4 12 12 12 12 12 12 12 12 12 12 12 12 12	78 64 3 1 1 6 4 3 3 2 1 1 7 3 7 3 3 2 1 7 3 7 3 3 2 1 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7	0 2468 2468 2468 2468 2468 2468 2468 2468	77 3 2 1 9 8 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	10 2 4 6 8 8 11 2 4 6 6 8 8 15 2 4 6 6 8 8 16 2 4 4 6 6 8 8 16 2 4 4 6 6 8 8 10 2 4 4 6 6 8 10 2 4 6 6 8 8 2 4 6 6 8 8 2 4 6 6 8 8 2 4 6 6 8 8 2 4 6 6 8 8 2 4 6 6 8 8 2 4 6 6 8 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8	\$3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 8 27 2 4 6 8 29 2 4 6 8 29 2 4 6 8	49 0 48 8 48 6 48 4 48 2	30 2 4 4 6 8 32 2 4 4 6 8 8 33 2 4 4 6 6 8 33 2 4 4 6 6 8 33 2 4 4 6 6 8 33 2 4 4 6 6 8 33 2 4 4 6 6 8 33 2 4 4 6 6 8 33 2 4 4 6 6 8 8 4 4 0	90 07 133 5 3 1 8 1 8 3 5 3 1 8 1 8 3 5 7 3 7 1 9 8 6 4 2 9 7 1 5 3 7 1 7 5 3 7 1 9 8 6 4 2 9 7 1 7 5 3 7 1 9 8 6 4 2 9 7 1 7 5 3 7 1 9 8 6 6 4 2 9 7 1 7 5 3 7 1 9 8 6 6 6 2 9 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7

Temperature 57° F

			_					_	_	_	
Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Das on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40 2 4 6 6 4 2 2 4 6 6 6 4 5 2 4 4 6 6 6 6 4 5 2 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	23 1 22 8 22 8 22 3 21 5 21 5 21 2 20 5 20 3 20 3 20 6 19 5 19 5 19 5 18 3 18 0 17 5	51 2 4 6 8 52 2	14 1 1 1 2 1 3 8 1 1 1 1 2 5 2 1 1 1 9 8 1 3 1 1 1 1 1 2 5 2 1 1 1 9 9 1 1 1 1 2 5 2 1 1 1 9 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1	61 61 62 62 4 68	11 0 11 3 11 7 12 1 12 4 12 7 13 4 13 8 14 2 14 5 14 8 15 2 16 0	72 24 6 8 24 6 8 74 24 6 8 75 75 75 75 75 75 75 75 75 75 75 75 75	26 1 26 5 26 9 27 3 27 7 28 1 28 5 29 4 29 4 29 4 30 3 30 8 31 3	80 2468 82 24668 83 24668 84 24668 85 24668 85 24668 87 2	56 1 56 8 57 5 58 2 58 8 59 5 60 2 60 8	93 2468 2468 95 2468 95 2468 97 246	701277407740779952840062844950528449505287727777878797898888888888888899073888445062284495052888990738888888888888899099988884450622888999787878787878789878787889997788997788997787878787878899977889977889978787878787889997888888
50 8	14 1	60	0 6	70 8	16 3 16 7 17 0	80 8	38 2 38 7	90 8	69 9 70 6	100	99 7

A Temperature 58° F.

	1		1 1		_	1	=	
Day on Menn	Das on Stem	Divs on Stem	Div. en Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0 2 4 5 8 1 2 4 6 8 2 2 4 6 8 7 2 4 6 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	13	1 2 655 4 662 2 6 2 6 2 6 2 6 2 6 2 6 2 6 2 6 2	10 2 4 6 8 11 2 4 6 6 8 13 2 4 6 6 8 15 2 4 6 6 8 17 2 4 6 6 8 17 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 6 8 19 2 4 6 6 6 8 19 2 4 6 6 6 8 19 2 4 6 6 6 8 19 2 4 6 6 6 8 19 2 4 6 6 6 6 8 19 2 4 6 6 6 6 8 19 2 4 6 6 6 6 8 19 2 4 6 6 6 6 8 19 2 4 6 6 6 6 8 19 2 6 6 6 6 8 19 2 6 6 6 6 8 19 2 6 6 6 6 8 19 2 6 6 6 6 8 19 2 6 6 6 6 8 19 2 6 6 6 6 8 19 2 6 6 6 6 6 19 2 6 6 6 6 19 2 6 6 6 6 19 2 6 6 6 6 6 19 2 6 6 6 6 19 2 6 6 6 6 6 19 2 6 6 6 6 19 2 6 6 6 6 6 19 2 6 6 6 6 6 19 2 6 6 6 6 6 6 19 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	59 1 0 59 6 4 59 8 6 4 59 9 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7	20 2 4 6 8 21 2 4 6 8 25 2 4 6 8 8 27 4 6 8 8 27 2 4 6 8 8 27 2 8 2 7 2 8 2 8 2 8 2 8 2 8 2 8	49 8 6 3 49 1 9 49 7 5 4 49 7 7 7 1 47 7 1 47 7 1 1 47 7 7 1 1 47 7 1 1 47 7 1 1 47 7 1 1 1 1	36 2 4 6 8	33 7 7 33 4 4 3 7 7 7 7 1 3 1 4 6 6 3 5 3 7 7 7 3 1 4 6 3 5 7 7 7 3 1 4 6 3 5 7 7 7 3 1 4 6 3 5 7 7 7 3 1 1 1 1 2 5 8 6 6 6 7 7 7 1 1 1 2 5 8 7 7 7 7 1 1 1 2 5 8 7 7 7 7 1 1 1 2 5 8 7 7 7 7 1 1 1 2 5 8 7 7 7 7 1 1 1 1 2 5 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7

Temperature 58° F

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	D v3 cn Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40 2 4 6 8 8 4 2 2 4 6 6 8 8 4 4 2 2 4 6 6 8 8 4 4 2 2 4 6 6 8 8 4 5 2 4 6 6 8 8 4 6 8 8 4 6 8 8 8 4 6 8 8 8 4 6 8 8 8 8	26 9 9 26 7 1 26 5 27 26 5 27 26 5 27 27 27 27 27 27 27 27 27 27 27 27 27	50 2 4 6 8 8 51 2 4 4 6 8 8 52 2 4 6 6 8 8 55 2 4 4 6 6 8 55 2 4 4 6 6 8 5 5 2 4 4 6 6 8 5 5 6 5 6 5 6 5 6 5 6 6 6 8 5 6 6 6 8 5 6 6 6 8 5 6 6 6 8 5 6 6 6 8 5 6 6 6 8 5 6 6 6 8 5 6 6 6 8 5 7 6 6 6 8 5 6 6 8 5 7 6 6 6 8 5 7 6 6 8 5 7 6 6 8 5 7 6 6 8 5 7 6 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8	1385 1330 1274 1211 1113 1110 11113 1110 11113 1110 11113 1110 11113 1110 11113 1110 11113 1110 11113 1110 11113 1110 11113 1113 111	60 1 4 6 8 8 8 6 2 2 4 6 6 8 8 6 6 2 4 6 6 6 8 8 6 6 6 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 9 1 2 1 1 8 1 2 1 1 1 8 1 2 1 4 1 8 1 2 1 4 2 1 7 3 3 6 3 3 9 9 3 3 6 6 1 1 1 1 2 1 4 1 1 2 1 1 2 1 1 3 4 8 1 1 4 2 5 1 1 4 4 5 1 1 4 4 5 1 1 4 4 5 1 1 4 4 5 1 1 4 4 5 1 1 4 4 5 1 1 4 4 5 1 1 4 4 5 1 1 4 4 5 1 1 4 4 5 1 1 4 4 5 1 1 4 1 4	70 2 4 6 8 8 72 2 4 4 6 6 8 8 75 2 4 4 6 6 8 8 77 2 4 4 6 6 8 77 2 4 4 6 6 8 77 2 4 4 6 6 8 77 2 4 6 6 8 78 2 4 6 6 8 78 2 4 6 6 8 78 2 4 6 6 8 78 2 4 6 6 8 78 2 4 6 6 8 78 2 2 4 6 6 8 7	17 4 18 2 18 18 18 18 18 18 18 18 18 18 18 18 18	80 2 4 6 8 8 8 2 2 4 4 6 6 8 8 8 2 2 4 4 6 6 8 8 8 2 2 4 6 6 8 8 8 2 2 4 6 6 8 8 8 2 2 4 6 6 8 8 8 8 7 2 2 4 6 6 8 8 8 8 7 2 2 4 6 6 8 8 8 8 7 2 2 4 6 6 8 8 8 8 7 2 2 4 6 6 8 8 8 8 7 2 2 4 6 6 8 8 8 8 7 2 2 4 6 6 8 8 8 8 7 2 2 4 6 6 8 8 8 8 7 2 2 4 6 6 8 8 8 9 2 2 4 6 6 8 8 8 9 2 2 4 6 6 8 8 8 9 2 2 4 6 6 8 8 8 9 2 2 4 6 6 8 8 8 9 2 2 4 6 6 8 8 8 9 2 2 4 6 6 8 8 8 9 2 2 4 6 6 8 8 8 9 2 2 4 6 6 8 8 8 9 2 2 4 6 6 8 8 8 9 2 2 4 6 6 8 9 2 2 4 6 6 8 9 2 2 4 6 6 8 9 2 2 4 6 6 8 9 2 2 4 6 6 8 9 2 4 6 6 6 8 9 2 4 6 6 8 9 2 6 6 8 9	05-05-05-06-06-28-4-06-06-28-4-18-5-2-06-28-28-4-18-5-2-06-28-28-5-28-5-28-5-28-5-28-5-28-5-28-5-	90 2 4 4 6 8 8 93 2 2 4 4 6 6 8 99 2 2 4 4 6 6 8 99 2 2 4 4 6 6 8 99 2 2 4 4 6 6 8 99 2 2 4 6 6 8 9 2 6 6 8 9 2 6 6 6 8 9 2 6 6 6 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	70 8 711 5 2 72 9 6 7 76 8 77 78 2 8 77 78 2 8 77 8 5 8 8 6 6 7 78 8 8 8 8 8 1 7 7 8 8 8 8 8 8 1 7 7 8 8 8 8
2 4 6 8	14 9 14 6 14 3 14 1 13 8	59 4 6 6	0 3 0 6 0 9	69 4 6 70	14 8 15 2 15 6 16 0 16 3 16 6 17 0 17 4	79 4 6 80	36 0 36 5 37 0 37 5 38 0 38 5 39 0	89 4 6 8	67 3 68 0 69 7 69 4 70 1 70 8	99 4 6 8	96 7 97 3 97 8 98 3 98 8 99 3 99 8

A Temperature 59° F

Stem oof Stem oof Stem Stem Stem Stem Stem Stem
Day on Stem Out. Three Out. Three Day on Stem Per cent Out. Three Out. T
0

Temperature 59° F

Divs on Stem	Per cent over Proof	Divs on Stem	Preant over Proof	Divs on Stem.	Per cent under Frusf	Divs	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
	96 7 1 1 1 2 2 3 1 2 2 5 2 3 1 2 2 5 2 3 3 1 2 2 5 2 3 3 1 2 2 5 2 3 3 1 2 2 5 2 3 3 1 2 2 5 3 3 1 2 2 5 3 3 1 2 2 5 3 3 1 2 2 5 3 3 1 2 2 5 3 3 1 2 2 5 3 3 1 2 2 5 3 3 1 2 2 5 3 3 1 2 2 5 3 3 1 2 2 5 3 3 1 2 2 5 3 3 1 2 2 5 3 3 1 2 2 5 3 3 1 2 2 5 3 3 1 2 5 3 3 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	52 2 4 6 8 53 2 4 6 8 54	13 5 2 1 2 1 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 2 1 2	61 2 4 6 6 8 2 4 6 6 8 2 4 6 6 8 6 2 4 6 6 8 6 2 4 6 6 8 6 5 5 4 6 6 8 6 5 6 6 7 6 7 6 7 6 7 6 7 6 7 7 7 7 7 7	8 1 8 47 9 9 3 7 10 0 3 10 0 6 11 0 3 11 7 12 7 13 1 4 13 1 1 13 1 1 14 5 15 6 16 7 17 4	8	17 1 18 5 8 19 2 6 10 10 10 10 10 10 10 10 10 10 10 10 10	80 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 6 8 9 2 6 6 6 8 9 2 6 6 6 8 9 2 6 6 6 8 9 2 6 6 6 6 6 6 9 2 6 6 6 6 6 6 6 6 6 6	52 2 2 8 5 1 1 5 5 5 8 1 5 5 5 7 5 5 6 1 1 5 5 6 8 8 5 7 5 6 1 4 6 6 2 9 6 6 7 6 6 8 9 7 4 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	8	71 1 7 4 1 8 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7

A Temperature 60° F.

Divs on Stem	Per cent over Proof	Divis on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0 2 4 6 8 2 4 6 8 8 2 4 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 6	75 2 75 1 75 1 74 7 74 6 7 74 6 7 74 8 7 7 2 9 8 73 6 7 73 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	10 2 4 6 8 11 2 4 6 6 8 12 2 4 6 6 8 13 2 4 6 6 8 15 2 4 6 6 8 15 2 4 6 6 6 17 2 4 6 6 6 19 2 4 6 6 8 20	73 2 1 0 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0 2 4 6 8 2 4	65 65 65 2 1 9 8 6 5 3 2 2 0 9 7 6 5 3 2 1 9 8 8 7 5 3 2 2 0 9 7 6 5 5 3 2 2 0 9 8 6 4 4 6 5 5 5 5 2 2 0 9 8 6 4 4 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	15 2	59 7 5 8 3 1 9 8 6 7 5 8 3 1 8 6 5 7 5 8 3 1 9 7 5 6 7 7 6 4 6 7 5 7 5 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	20 2 4 6 8 2 2 4 6 8 8 2 2 4 6 8 8 2 2 4 6 8 8 2 2 4 6 8 8 2 2 4 6 8 8 2 2 4 6 8 8 2 2 4 6 8 8 2 2 4 6 8 8 2 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8	49 2 0 19 8 8 4 2 19 8 8 4 4 7 6 4 4 19 7 5 3 1 1 1 8 8 4 4 7 7 6 4 4 7 7 6 4 4 7 7 6 4 4 7 7 6 4 4 7 7 6 7 4 6 6 6 2 2 1 7 7 8 6 6 6 2 2 1 7 8 6 6 6 7 8 6 6 6 7 8 6 6 6 7 8 6 6 6 7 8 6 6 6 7 8 6 6 6 7 8 6 6 7 8 6 6 6 7 8 6 6 7 8 6 6 7 8 6 6 7 8 6 6 7 8 7 8	30 2 4 4 6 8 31 2 4 4 6 8 33 2 4 4 6 6 8 36 2 4 4 6 6 8 37 2 2 4 6 6 8 37 2 2 4 6 6 8 37 2 2 4 6 6 8 39 2 4 6 6 8 40	35 1 8 6 4 7 7 7 9 7 7 9 7 8 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7

Temperature 60° F.

Stem	joo	on Stem	Jon.	Stem	ruof	Stem	Proof	Stem	Proof	on Stem	Proof
Divs on Stem	Per cent. over Proof	Divs on	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs o	Per cent under Proof
40	26 3 25 0 25 0 25 8 25 5 25 3 24 7 24 3 24 3 24 3 24 3 22 7 22 1 21 8 21 8 21 8 21 8 21 8 21 8 21 8	50 2 4 6 6 8 51 2 4 6 6 8 52 2 4 6 6 8 5 2 4 6 6 6 8 5 1 6 6 6 8 5 1 6 6 6 6 7 8 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	13 2 2 12 9 12 6 6 12 13 12 9 12 6 6 12 13 14 8 11 6 11 13 11 10 7 7 10 4 1 11 6 11 13 11 10 7 7 7 10 4 1 11 6 1 11 13 11 10 7 7 7 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60 2 4 6 8 61 2 4 6 6 8 62 2 4 6 6 6 5 2 4 6 6 6 5 2 4 6 6 6 6 5 2 4 6 6 6 6 5 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1 5 8 2 1 1 8 2 2 4 2 7 7 3 3 6 3 9 9 3 3 6 4 2 2 6 5 8 1 6 6 5 8 6 6 5 8 1 6 6 5 8 1 1 3 2 1 1 3 3 5 1 1 4 2 5 1 1 1 3 3 5 1 1 4 2 5 1 1 1 3 5 6 1 1 1 3 3 1 5 6 6 3 1 1 6 5 3	70 c 4 6 6 8 71 2 4 6 6 8 73 2 4 6 6 8 74 2 4 6 6 8 75 2 4 6 6 8 75 2 6 6 8 75 2 6 6 8 8 75 2 75 2 6 6 8 8 75 2 75 2 75 2 75 2 75 2 75 2 75 2	18 1 18 5 19 2 20 0 20 0 20 8 21 2 22 4 23 2 23 2 24 4 25 2 26 0 26 4 27 2 28 4 28 2 27 2 28 4 28 2 29 2 20 2 20 2 21 2 22 4 25 2 26 2 27 2 28 4 28 2 28 2 28 2 28 2 28 2 28 2 28	80 2 4 6 8 81 2 4	39 7 40 7 41 2 41 2 4 43 5 44 0 6 45 2 4 45 8 8 2 4 47 0 6 48 2 5 5 5 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5	90 2 4 6 6 8 91 2 4 6 6 8 92 2 4 6 6 8 93 2 4 6 6 8 94 2 4 6 6 8 95 2 4 6 6 6 8 95 2 4 6 6 6 8 95 2 4 6 6 8 95 2 8 8 95 2	71 3 72 6 3 73 9 74 0 74 7 7 7 7 7 7 7 7 6 0 0 7 7 7 2 7 7 7 9 9 0 3 0 81 6 8 8 1 7 8 8 8 8 9 8 8 8 9 9 4 9 1 0 0 1 0 6 8 8 9 1 6
46 2 4 46 8 47 2 4 6	18 9 18 6 18 3 18 0 17 8 17 6 17 3 17 0 16 7 16 4 16 1	56 2 4 6 8 57 2 4	4 4 4 4 4 3 8 8 3 8 6 3 3 3 0 2 7 4 1 1 5 2 9 0 6	66 2 4 6 8 67 2 4 6	11 0 11 3 11 7 12 0 12 4 12 8 13 1 13 5	76 2 4 6 8 77 2 4 6 8 8	30 0 30 5 31 0 31 5 32 0 32 5 33 0 33 5 34 0	86 2 4 6 87 2 4 6	57 8 59 5 59 1 59 8 60 4 61 0 61 7	96 2 4 6 8 97 2 4 6	92 1 92 6 93 1 93 6
43 2 4 4 6 8 49 6 8 50 8	10 4 19 1 18 6 18 3 18 6 17 8 17 8 17 0 16 7 16 7 16 7 16 1 15 3 15 5 15 3 14 5 14 5 14 5 14 5 13 9 13 4 13 2	58 2 4 6 8 59 2 4 6 8	1 8 1 5 1 2 0 9 0 6 0 3 0 6 0 9 1 2 1 5	68 2 4 6 8 69 2 4 6 8 70	12 8 13 1 13 5 13 8 14 2 14 9 15 3 15 6 15 9 16 2 17 7 17 4 17 7 18 1	78 2 4 6 8 79 2 4 6 8 80	34 9 35 4 35 8	88 83 4 6 88 89 2 4 6 8	62 5 63 2 63 9 64 5 65 2 65 9 66 4 67 1 67 8 68 5 69 2 69 9 70 6 71 3	98 98 4 6 8 99 2 4 6 8	94 2 94 8 95 3 95 8 96 3 96 9 97 5 99 0 99 5 100 0

A

Temperature 61° F.

## ## ## ## ## ## ## ## ## ## ## ## ##		_	_			_	_		, ===	_	-	
2	Dirs on Stem	Per cent over Proof.	Dive on Stem.	Per cent over Proof	Divs on Stem	Per cent over Proof	Days on Stem	Per cent over Pro of	Days on Stem	Per cent over Proof.	Dive on Stem.	Per cent over Proof
	2 4 6 8 2 4 6	75 2 75 10 77 74 77 74 6 4 77 74 74	2 4 6 6 8 13 2 4 6 6 8 15 2 4 6 6 8 15 2 4 6 6 8 15 2 4 6 6 8 15 2 4 6 6 6 8 15 2 4 6 6 6 8 19 2 4 6 6 6 8 19 2 2 4 6 6 6 8 2 9 2 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2	64 2 68 L 67 9 67 8 67 7 67 4 67 3 67 1 67 0 66 7	2 4 6 8 2 4 6 8	60 9 60 7 60 5 60 0 50 8 50 8	6 8	5663575319764440	24 0 8 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 2 4 6 9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4975319753196519642944431974414429744444444444444444444444444444	24 6 8 31 2 4 6 8 32 2 4 6 8 33 2 4 6 8 33 2 4 6 8 33 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 6 8 8	37753199642977529653996429775296539964429775296539964297752965399642977529653996429775296539964297752965399642977529653996429777529665399642977752966539964297775296653996429777529665399642977752966539964297775296653996429777529665399642977752966539964297775296653996429777529665399642977752966539964297775296653996429777529665399642977752966539964297775296653996429777529665399642977752966539964299665966599666599666599666666666666

Temperature 61° F.

					_					_	
Dies on Stem.	Per cent over Proof	Dies on Stem	Per cent over Proof	Div on Stem	Per cent, under Proof	Divs on Stein	Per cent under Proof.	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40 2 4 4 5 8 4 2 4 4 6 6 8 4 2 4 4 6 6 8 4 9 2 4 4 6 6 8 4 9 2 4 6 6 8 8 4 7 2 6 6 8 8 8 2 6 6 6 6 6 6 6 6 6 6 6 6 6	225 7 225 2 23 7 225 2 23 7 22 25 2 23 7 22 25 2 23 7 22 25 2 23 7 22 25 2 25		12 8 12 5 2 111 9 5 111 11 10 11 11 10 11 11 10 11 11 10 11 10 11 11		1 9 2 2 5 8 1 4 7 3 6 5 5 8 2 5 8 4 7 7 8 1 8 4 7 7 6 7 7 7 7 8 1 8 4 7 7 7 8 1 1 1 1 2 1 2 1 2 8 2 1 1 1 3 5 5 6 6 6 7 7 1 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1		18 5 18 9 19 3 19 7 20 1 20 5 20 9 21 3 22 1 22 5 22 9 23 3 23 7 24 5		40 2 7 41 2 7 42 2 8 43 4 4 44 5 0 6 6 8 8 8 5 5 6 6 8 8 8 5 5 6 6 8 8 8 6 6 6 6	90 2 4 6 8 8 91 2 2 4 6 6 8 93 2 4 4 6 6 8 93 2 4 4 6 6 8 93 2 4 4 6 6 8 95 2 4 6 6 8 95 2 4 6 6 8 95 2 4 6 6 8 95 2 4 6 6 8 95 2 4 6 6 8 95 2 4 6 6 8 95 2 4 6 6 8 95 2 4 6 6 6 8 95 2 4 6 6 6 8 95 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	172285 172285 172285 172285 173285 17
50	12 8	€0	19	70	18 5	80	40 2	90	70 9 71 6	100	

A

Temperature 62° F.

=	^										
Dive on Stem.	Per cent over Proof	Days on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof.	Divs on Stem	Per cent over Proof,
0 2 4 6 8 1 4 6 8 2 4 6 8 8 2 6 6 8 6 6 8 2 6 6 8 2 6 6 8 6 6 8 2 6 6 8 2 6 6 8 2 6 6 8 6 6 6 6	75 77 75 8 8 77 74 7 7 3 8 7 7 7 7 3 8 7 7 7 3 3 7 7 3 7 7 3 3 7 7 7 7	10 2 4 6 8 12 2 4 6 8 13 2 4 6 8 15 2 4 6 8 15 2 4 6 8 15 2 4 6 8 16 8 17 2 4 6 8 18 2 4 6 8 18 2 4 6 8 8 2 6 8 2 0 8 20	72 9 8 77 77 72 9 77 77 77 77 77 77 77 77 77 77 77 77 7	0 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 9 2 4 6 8 9 2 4 6 8 10 10 10 10 10 10 10 10 10 10 10 10 10	GG 4 2 GG 1 9 GG 8 8 7 GG 1 9 GG 8 7 GG 1 9 G	10 2 4 6 6 8 11 2 2 4 6 6 8 15 2 4 6 6 8 15 2 4 6 6 8 17 2 4 6 6 8 17 2 4 6 6 8 17 2 4 6 6 8 18 2 4 6 6 8 17 2 4 6 6 8 18	55 2 0 8 7 5 3 1 0 8 6 4 4 7 5 3 1 1 0 7 7 5 3 1 1 0 7	2 4 6 8 23 2 4 6 8	48 7 6 4 4 8 9 4 4 7 7 8 4 4 8 9 8 9 4 4 7 7 8 4 4 8 9 9 4 4 7 8 9 4 4 8 9 9 8 4 4 8 9 9 8 9 8 9 8 9 8	8 33 2 4 6 8 8 34 2 4 6 6 8 8 35 2 4 6 6 8 8 37 2 4 6 6 8 8 37 2 4 6 6 8 8 6 6 8 6 6 8 6 6 6 6 6 6 6 6 6	37 6 8 36 3 1 3 3 5 6 6 3 3 4 2 3 3 5 6 5 3 4 2 3 3 5 6 6 6 4 1 3 3 6 6 6 6 4 1 3 5 6 6 6 4 1 3 5 6 6 6 6 4 1 3 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6

Temperature 62° F.

					==				
Divs on Stem	Diva on Stem	# ¹ 1 1	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 52 2 4 4 2 2 2 5 4 4 2 2 2 5 4 4 2 2 2 5 4 4 2 2 2 2	111 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1	2 10 4 4 10 10 6 11 6 5 11 6 2 12 12 13 13 13 13 14 14 16 14 8 15 15 15 16 16 16 16 16 16	70 2 4 6 6 8 7 2 2 4 6 6 8 8 7 5 2 2 4 6 6 8 8 7 5 2 2 4 6 6 8 8 7 5 2 2 4 6 6 8 8 7 5 2 2 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	22 1 22 9 9 23 3 7 24 1 7 25 7 26 1 9 27 25 7 26 1 9 27 25 7 26 1 9 27 25 7 26 1 9 27 25 7 27 27 27 27 27 27 27 27 27 27 27 27 2	2 4 6 6 8 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	55 8 5 5 5 5 5 7 1 5 7 8 5 9 5 7 1 5 9 8 5 9 7 1 6 1 1 6 1 7 6 2 1	90 2 4 6 8 9 2 2 4 6 6 9 6 9 9 2 2 4 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	71 8 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7

Temperature 63° F.

A

<u></u>			F-							
Dyes on Stem A Per cent over Proof	Div. on Stem	Per cent over Proof	Days on Stem	Per cent	Dres on Stem	Per sent over Proof	Dive on Stem	Per cent	O Dave on Stem	Per east over Proof
0 2 4 6 8 1 2 4 6 8 2 2 4 4 6 8 2 1 7 7 7 4 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7	10 2 4 6 8 11 2 4 6 6 8 12 2 4 6 6 8 15 2 4 6 6 8 15 2 4 6 6 8 15 2 4 6 6 8 15 2 4 6 6 8 15 2 4 6 6 8 15 2 6 6 6 8 15 2 6 6 6 8 15 2 6 6 6 8 15 2 6 6 6 8 15 2 6 6 6 8 15 2 6 6 6 8 15 2 6 6 6 6 8 15 2 6 6 6 8 15 2 6 6 6 6 8 15 2 6 6 6 6 8 15 2 6 6 6 6 8 15 2 6 6 6 6 8 15 2 6 6 6 6 8 15 2 6 6 6 6 8 15 2 6 6 6 6 8 15 2 6 6 6 6 8 15 2 6 6 6 6 8 15 2 6 6 6 6 8 15 2 6 6 6 6 8 15 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		0 2 1 6 8 2 2 4 6 8 8 2 4 6 6 8 2 6 6 6 6	60 5 60 2 60 0 59 6 59 6 59 3 59 1 59 1 59 8 59 8 59 8	10 2 4 6 6 8 12 2 4 6 6 8 8 12 2 4 6 6 8 8 15 2 4 6 6 6 8 15 2 4 6 6 6 8 15 2 4 6 6 6 6 15 2 4 6 6 6 6 15 2 4 6 6 6 6 6 15 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	77 7 7 5 4 2 0 9 7 5 8 3 1 9 7 7 5 4 5 2 0 9 7 5 8 3 1 9 7 7 5 4 5 2 0 9 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	20 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 2 2	42 7 42 5 42 2 42 0	30 2 4 6 8 31 2 4 6 9 31 2 4 6 9 31 2 4 6 9 31 2 4 6 9 31 2 4 6 9 31 2 4 6 9 31 2 4 6 9 8 8 31 31 31 31 31 31 31 31 31 31 31 31 31	37 1 30 2 30 30 4 30 2 30 30 5 6 6 30 5 6 6 30 5 6 6 30 5 6 6 6 30 5 6 6 6 30 5 6 6 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6

Temperature 63° F.

									·
Drys on Stem Per cent over Proof	Dive on Stem	Divs on Stera	Per cent under Proof	Days on Stem	Per cent under Proof	Divs on Stem	Per cont under Proof	Diva on Stem	Per cent under Proof
40 2 25 3 3 4 2 25 6 9 8 6 12 4 3 4 1 2 2 3 7 6 8 2 4 3 7 6 1 2 2 3 7 6 1 2 2 3 7 6 1 2 2 3 7 6 1 2 2 3 7 6 1 2 2 3 7 6 1 2 2 3 7 6 1 2 2 3 7 6 1 2 2 3 7 6 1 2 2 3 7 6 1 2 2 3 7 6 1 2 2 3 7 7 6 1 2 2 3 7 7 6 1 2 2 3 7 7 7 6 1 2 2 3 7 7 7 7 8 1 2 2 3 7 7 7 7 8 1 2 2 3 7 7 7 7 8 1 2 2 3 7 7 7 7 8 1 2 2 3 7 7 7 7 8 1 2 2 3 7 7 7 7 8 1 2 2 3 7 7 7 7 8 1 2 2 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2 -	5 4 5 8 6 63 2 4 1 8 6 3 5 8	2 9 2 3 3 5 3 4 4 4 4 7 6 4 4 4 7 6 6 4 7 6 6 6 6 9 6 6 9 6 6 9 6 6 9 8 4 5 6 7 7 7 6 9 8 4 5 6 7 7 7 6 9 9 8 1 11 2 4 8 2 6 6 9 7 1 12 2 8 8 8 2 9 1 12 2 8 2 6 9 1 12 2 8 2 6 9 1 12 2 8 2 6 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	70 2468 71 2468 73 2468 75 2468 76 2468 77 2468 77 2468 78 2468 77 2468 78 2468 78 2468 79 2468 79 2468	35 7 36 1 36 6 37 0 37 5 38 0 39 5 39 5 40 1	S0 2 4 6 8 8 2 4 6 6 8 8 2 4 4 6 6 8 8 2 4 4 6 6 8 8 2 4 4 6 6 8 8 2 4 4 6 6 8 8 2 4 4 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	69 4 69 4 70 1		72 1 72 73 73 74 77 77 76 76 76 77 77 78 51 77 77 77 77 77 77 77 77 77 77 77 77 77

A Temperature 64° F.

		_									
Divs on Stem	Per cent over Proof	Divs on Stom	Per cent over Proof	Dive on Stem	Per cent over Proof	Dus on Stem	Po cent	Divs on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof
6	1	10 2 4 6 8 11 2 4 6 6 8 13 2 4 6 6 8 14 2 4 6 6 8 15 2 6 6 8 15 2 6 6 6 8 15 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	69 6 63 5 63 2 63 2 63 0 67 9 67 6 67 3 67 3 67 2 67 3 66 8 66 8 66 7 66 8	0 24 68 24 6	61 7 61 5 61 3 61 1 61 0 60 8	10 2 4 6 8 11 2 2 4 6 6 8 12 2 4 6 6 8 13 2 4 6 6 8 15 2 2 4 6 6 8 15 2 2 4 6 6 8 15 2 2 4 6 6 8 19 2 2 4 6 6 8 19 2 2 4 6 6 8 2 4 6 6 8 2 4 6 6 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	775 77 73 73 75 75 75 75 75 75 75 75 75 75 75 75 75	20 2 1 2 4 6 8 2 2 2 4 6 6 8 2 3 2 4 6 6 8 2 2 2 4 6 6 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4 1 1 7 7 5 3 1 9 7 4 2 2 0 7 5 3 2 4 2 4 2 2 2 2 7 5 3 2 4 4 4 4 5 5 5 4 4 4 4 4 5 5 5 4 4 4 4	30 2 4 4 6 8 8 2 4 4 6 6 8 3 2 2 4 6 6 8 8 3 2 2 4 6 6 8 8 3 2 2 4 6 6 8 8 3 2 2 4 6 6 8 8 3 2 2 4 6 6 8 8 3 2 2 4 6 6 8 8 3 2 2 4 6 6 8 8 3 2 2 4 6 6 8 8 3 2 2 4 6 6 8 8 3 2 2 4 6 6 8 8 3 2 2 4 6 6 8 8 3 2 2 4 6 6 8 8 3 2 2 4 6 6 8 8 8 3 2 2 4 6 6 8 8 8 3 2 2 4 6 6 8 8 8 3 2 2 4 6 6 8 8 8 3 2 2 4 6 6 8 8 8 3 2 2 4 6 6 8 8 8 3 2 2 4 6 6 8 8 8 3 2 2 4 6 6 8 8 8 3 2 2 4 6 6 8 8 8 3 2 2 4 6 6 8 8 8 8 3 2 2 4 6 6 8 8 8 3 2 2 4 6 6 8 8 8 8 3 2 2 4 6 6 8 8 8 8 3 2 2 4 6 6 8 8 8 8 8 3 2 2 4 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8641075531064197552086319642075420754207542075420753208631964207542075420754207542075420754207542075

Temperature 64° F

					_		_	=		_	==
Dive on Stein	Per cent awr. Proof	Divs on Stem	Per cent over Proof	Divs on Stein	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Procf	Dive on Stem	Per cent under Proof
10 2 4 6 8 8 1 2 1 6 8 8 2 4 6 8 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	25 0 24 7 24 5 24 5 24 2 23 7 23 4 23 2 22 9 22 9 22 1 21 8 21 3 21 1 20 8	50 2 4 6 8 51 2 4 6 8 53 2 4 6 8 54 2 4 6	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60 2 4 6 8 6 2 4 6 6 8 6 2 4 6 6 8 6 6 7 1 4 6 6 8 6 7 1 4 6 6 8 6 7 1 4 6 6 8 6 7 1 4 6 6 8 6 7 1 4 6 6 8 6 7 1 4 6 6 8 6 7 1 4 6 6 8 6 7 1 4 6 6 8 6 7 1 4 6 6 8 6 7 1 4 6 6 8 6 7 1 4 6 6 8 7 1 4 6	22233582 445844555706670	70 2 4 6 8 71 2	82260482604826004826004826048383838227280505059494940	\$0 2 4 4 5 8 8 2 2 4 6 6 8 8 8 2 4 6 6 8 8 8 2 4 6 6 8 8 8 2 4 6 6 8 8 8 2 4 6 6 8 8 8 8 2 4 6 6 8 8 8 8 8 2 4 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	41 5 1 6 4 4 1 7 4 4 5 2 8 4 4 4 1 7 4 4 5 2 8 5 6 5 6 7 4 0 6 6 6 6 6 7 6 7 4 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	90 2 4 6 8 91 2 4 6 8 8 93 2 4 6 6 8 95 2 4 6 6 8 95 2 4 6 6 8 95 2 4 6 6 8 95 2 4 6 6 8 95 2 95 2 1	7173 2 9 5 2 7 3 9 5 6 2 8 4 0 6 2 8 7 7 7 7 8 8 7 7 7 7 8 8 8 8 8 8 8 8
50 S	12 0 11 7	60	2 6 2 9	70 8	19 4 19 8	80 8	39 9 40 4 41 0 41 5	90	71 1 71 7 72 3	6 8 100	-

A Temperature 65° F.

	_^										
Dive on Stem	Per cent over Prosf		Per cent over Proof	Dive on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0 2 4 6 8 8 2 2 4 6 6 8 8 8 2 2 4 6 6 8 8 8 2 2 4 6 6 8 8 8 2 2 4 6 6 8 8 8 2 2 4 6 6 6 8 8 8 2 2 4 6 6 6 8 8 8 2 2 4 6 6 6 8 8 8 2 2 4 6 6 6 8 8 8 2 2 4 6 6 6 8 8 8 2 2 4 6 6 6 8 8 8 2 2 4 6 6 6 8 8 8 2 2 4 6 6 6 8 8 8 2 2 4 6 6 6 8 8 8 2 2 4 6 6 6 8 8 8 2 2 4 6 6 6 8 8 8 2 2 4 6 6 6 8 8 8 2 2 4 6 6 6 8 8 8 2 2 4 6 6 6 8 8 8 2 2 4 6 6 6 8 8 8 2 2 4 6 6 6 8 8 8 2 2 4 6 6 6 6 8 8 8 2 2 4 6 6 6 6 8 8 8 2 2 4 6 6 6 6 8 8 8 2 2 4 6 6 6 6 8 8 8 2 2 4 6 6 6 6 8 8 8 2 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	75 2 75 10 77 14 8 7 74 6 7 74 6 7 74 3 2 7 73 6 7 73 6 7 73 6 7 73 73 6 7 73 73 6 7 73 73 73 73 73 73 73 73 73 73 73 73 7	10 2 4 6 8 11 2 2 4 6 8 8 13 2 14 6 6 8 13 2 14 6 6 8 17 2 1 16 8 16 2 1 6 8 17 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	72 2 2 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0 2 4 6 8 1 2 4 6 8 8 2 2 4 6 6 8 8 2 6 6 6 8 8 2 6 6 6 6 6 6 6 6 6	65 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	10 2 4 6 8 1 1 2 2 4 6 8 1 1 2 2 4 6 6 8 1 1 2 2 4 6 6 8 1 1 2 2 4 6 6 8 1 1 2 2 4 6 6 8 1 1 2 2 6 6 8 1 1 2 2 6 6 8 1 1 2 2 6 6 8 1 1 2 2 6 6 8 1 1 2 2 6 6 8 1 1 2 2 6 6 8 1 1 2 2 6 6 8 1 1 2 2 6 6 8 1 1 2 6 6 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	52 2 51 9 51 5 51 5 51 3 51 1 50 9 50 7 50 3 50 9 49 8 49 6 49 4 49 0	20 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 2 4 6 8 2 2 2 4 6 8 2 2 2 2 2 3 2 4 6 8 2 2 2 2 3 2 4 6 8 2 2 2 2 3 2 3 2 4 6 8 2 3 2 3 2 4 6 8 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 3 3 3	47 8 4 4 4 7 7 4 4 4 4 7 7 4 4 4 4 4 5 7 5 4 4 4 4	30 2 4 6 8 31 2 4 6 8 32 2 4 6 6 8 33 2 4 6 6 8 35 2 4 6 6 8 35 2 4 6 6 8 35 2 4 6 6 8 35 2 4 6 6 8 35 2 4 6 6 8 35 2 4 6 6 8 35 2 4 6 6 8 35 2 4 6 6 8 35 2 4 6 6 8 6 8	96 5 3 1 9 7 7 4 2 9 8 5 7 7 8 7 8 7 7 8 7 8 7 8 7 8 7 8 7 8

Temperature 65° F.

					_	=					===
Dire on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Por cent under Proof	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent under Proof
40 2 4 6 6 8 42 2 4 6 6 8 43 2 4 6 6 8 44 2 2 4 6 6 8 4 6 8 4 2 2 4 6 6 8 4 4 2 2 4 6 6 8 4 4 2 2 4 6 6 8 4 4 2 2 4 6 6 8 4 4 2 2 4 6 6 8 4 4 2 2 4 6 6 8 4 4 2 2 4 6 6 8 4 4 2 2 4 6 6 8 4 4 2 2 4 6 6 8 4 4 2 2 4 6 6 8 4 4 2 2 4 6 6 8 4 4 2 2 4 6 6 8 4 4 2 2 4 6 6 8 4 4 2 2 4 4 6 8 8 4 4 2 2 4 4 6 8 8 4 4 2 2 4 6 6 8 4 4 2 2 4 4 6 8 8 8 4 4 2 2 4 4 6 8 8 8 4 4 2 2 4 4 6 8 8 8 4 4 2 2 4 4 6 8 8 8 4 4 2 2 4 4 6 8 8 8 8 4 4 2 2 4 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	24 7 24 4 2 23 9 2 24 2 2 3 9 7 2 2 4 2 2 2 3 9 7 2 2 4 2 2 2 2 4 2 2 2 2 2 4 2 2 2 2 2	50 2 4 6 8 8 5 2 4 6 6 8 5 5 2 4 4 6 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6	11108 1108 1108 1108 1108 1108 1108 110	60 2 4 6 8 6 2 2 4 6 6 8 6 6 7 2 4 6 6 6 6 8 6 6 6 6 7 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	3 3 4 2 3 4 4 5 8 4 5 5 5 8 4 4 5 8 5 5 5 8 6 6 4 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	70 2 4 6 8 71 2 4 6 6 8 74 2 4 6 6 8 75 2 4 6 6 8 77 2 4 6 6 8 77 2 4 6 6 8 77 2 4 6 6 8 78 2 4 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	37 0 37 5 38 0 38 4 39 9 39 4 40 4	85 24 68 24 68 87 24 68 88 24 68 88 24 68 88 24 68	41 9 42 4 43 4 44 0 44 5 0 45 6 46 8 47 3 47 9 46 2 46 8 8 6 7 3 7 1 9 6 6 7 3 6 7 7 1 9 7 6 7 7 1 9 7 6 8 6 9 3 3 7 7 7 1 9 7 6 8 6 6 9 3 7 7 7 1 9 7 7 2 5	90 2 4 6 8 92 2 4 6 6 8 92 2 4 6 6 8 92 2 4 6 6 8 92 2 4 6 6 8 95 2 4 6 6 8 95 2 4 6 6 8 95 2 4 6 6 8 95 2 1 6 6 6 8 95 2 1 6 6 6 8 95 2 1 6 6 6 8 95 2 1 6 6 6 8 95 2 1 6 6 6 8 95 2 1 6 6 6 8 95 2 1 6 6 6 8 95 2 1 6 6 6 8 95 2 1 6 6 6 8 95 2 1 6 6 6 8 95 2 1 6 6 6 8 95 2 1 6 6 6 6 8 95 2 1 6 6 6 6 8 95 2 1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	72 5 1 7 7 3 7 7 4 4 0 7 7 5 7 7 7 7 5 7 7 7 7 5 7 7 7 7 5 7

A Temperature 66° F.

Temperature 66° F.

			_===	-			==	=1
Dive on Stem Per cent over Proof	Dive on Mem-	Dive on Stem.	Divs on Stem	Per cent under Proof	Dive on Stem	under Proof	Per	-]'
2 24 2 4 24 0 5 23 7 4 2 29 7 6 22 4 6 22 2 9 6 22 4 2 2 2 9 6 22 4 2 2 2 9 6 22 4 4 2 2 10 3 6 20 7 6 20 7 7 7 8 20 7 8 20 7	2 10 8 10 10 10 10 10 10 10 10 10 10 10 10 10	68 67 24 68 24 68 24 68 24 68 24 68 24 68	9 2 9 6 10 0 74 10 3 10 6 10 9 11 2	24 6 3 2 2 4 3 3 6 6 3 3 6 8 3	50 2 4 4 8 8 2 4 6 8 8 2 6 8 8 2 6 8 8 2 6 8 8 2 6 8 8 2 6 8 8 2 6 8 8 2 6 8 8 8 2 6 8 8 8 2 6 8 8 8 2 6 8 8 8 2 6 8 8 8 2 6 8 8 8 2 6 8 8 8 2 6 8 8 8 2 6 8 8 8 2 6 8 8 8 2 6 8 8 8 2 6 8 8 8 8	14 3 8 49 4 9 49 4 9 50 5 5 1 50 7 2 62 8 4 64 1 0 65 1	2 4 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2 3 3 4 6 2 9 6 1 7 3 3 6 6 1 8 4 0 6 6 2 8 4 1 5 5 6 6 7 7 7 7 7 7 8 7 8 8 8 8 8 8 8 7 7 9 4 0 6 2 8 4 1 1 4 1 4 5 6 6 6 5 6 7 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8

A Temperature 67° F.

Divs on Stem	Per cent over Proof	Olvs on Storn	Per cent o over Ptoof	Dive on Stem	Per cent	10	599 Per cent	Dive on Steps	24. Per cent	Divs or Stern	2 Per cent
2 4 6 9 1 2 4 6 8 2 2 4	i	2 4 6 8 11 2 4 6 8 12	72 0 9 71 9 8 71 6 5 71 1 5 71 1 5 71 1 5 71 1 71 71 71 71 70 9 7 70 70 70 70 70 70 70 70 70 70 70 70 7	2 4 6 8 1 2 4 6 8 2 2	65 3 65 2 65 0 64 9 64 7 64 6 64 4 64 3 64 1 64 0 63 8	2 4 6 8 11 2 4 6 8 12 2	56 9 56 7 56 5 56 3 54 1 55 8 55 6 55 4 55 2 55 0 54 8 54 5 54 3 54 3	21 21 21 22 4 6 8 22 24	47 3 1 9 7 46 5 3 0 8 6 6 5 4 6 6 5 3 0 8 6 4 5 5 4 6 6 5 8 6 4 5 5 1 9 6 4 5 7 5 4 5 1 9 6 4 5 1 9 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	6 8	33 9 35 7 35 5 35 3 35 1 34 8 34 4 31 1 33 9 33 7 33 7
2 4 6 8 4 2 4 6 8	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2 4 6 8 13 2 4 6 8	70 5 70 3 70 2 70 1 69 9 69 8 69 7 69 7 69 4 69 3 69 1	3 3 4 6 8 4 6 8	64 3 64 1 64 0 63 8 63 5 63 5 63 5 63 6 63 7 62 9 62 7 62 1 62 0 61 8 61 4 61 3	2 4 6 13 2 4 6 8 14 2 4 6	55 55 55 55 55 55 55 55 55 55 55 55 55	2 4 6 8 23 2 4 6 8 24 24 24 25 26 8	41 5 44 3 44 1 43 9 43 6 43 3 43 1 42 8 42 6 42 3	33 2 4 6 34 2 4 6	34 6 4 1 33 9 3 4 6 1 3 3 9 7 3 3 2 5 3 3 2 7 3 3 3 3
6 5 2 4 6 8 8 7 2 4 8 8	75 2 75 1 75 0 74 9 71 8 74 7 74 5 74 4	6 15 2 4 6 8 16 2 4 6	68 9 69 6 69 5 69 4	24 G 8 21 4 G 8 6 14 G 8	61 1 60 9 60 7 60 6 60 4 60 3	6 8 15 4 6 8 16 2 4 4 6	53 9 53 7 53 7 53 7 53 8 53 8 52 7 52 5 52 7 52 5 52 7 52 5 51 7 51 7 51 7 51 7 51 9	25 24 6 8 26 26 2	42 1 41 9 41 6 41 4 41 2 40 9 40 7 40 1 40 2	33 2 4 6 8 30 2 4 6	50 5 30 5 20 7 20 7 20 4 20 2 20 7 20 7 20 7 20 7 20 7 20 7
7 2 4 6 8 8	74 4 74 2 74 1 73 8 73 7 73 8 73 7 73 4 73 3 73 2 73 2 72 8 72 7 72 8 72 7 72 4 72 3 72 2	17 2 4 6 8 18 2 4	68 2 68 1 68 0 67 9 67 7 67 6 67 5 67 2 67 1 66 9 66 8 66 8 66 5 66 5	6 S 7 2 4 6 8 8 2 4 6	59 9 59 7 59 5 59 4 59 2 59 0 58 8 58 7 58 7 58 5	17 2 4 6 8 18 2	50 7 50 5 50 3 50 1 49 9 49 7 49 7 49 7 49 1 48 9	27 2 4 6 8 25 2	40 9 7 40 40 2 40 0 8 39 6 40 39 4 39 2 2 37 9 7 37 5 37 5 8 36 8	37 2 4 6 8 38 2	23 0 27 7 27 5 27 3 27 0 26 8 26 3 26 1
9 2 4 6 8	72 9 72 8 72 7 72 5 72 4 72 3 72 2	6 8 19 2 4 6 8	66 4 66 2 66 1 65 9 65 8 65 7 65 5 65 3	6 8 9 2 4 6 8	58 8 58 7 58 5 59 5 59 3 57 8 57 8 57 4 57 3 57 1 56 9	19 2 4 6 8	48 9 48 7 48 3 48 1 47 9 47 7 47 5 47 3	6 8 29 2 4 6 8	37 3 37 9 36 8 36 6 36 4 36 1 35 9	39 2 4 6 8	25 6 25 4 25 2 24 9 24 6 24 4 24 1

Temperature 67° F

40 2 4 6 8 41 2 4 6 6 6 6 8 42 2 4 6 6 8 42 2 4 6 6 8 45 2 4 6 6 8 47 2 4 6 6 8 47 2 4 6 6 8 47 2 4 6 6 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Dive on Stern
21 8 23 8 3 6 23 6 3 23 7 22 8 23 1 8 22 8 22 7 22 7 21 5 22 7 21 5 20 6 4 20 1 1 1 7 8 6 1 1 7 7 3 1 1 1 6 8 8 1 1 6 5 2	Per
50 2 4 6 6 8 50 2 4 6 6 8 6 6 8 6 6 8 6 6 6 8 6 6 6 8 6 6 6 8 6 6 8 6 6 6 8 6 6 6 8 6 6 6 8 6 6 6 8 6 6 6 8 6 6 6 8 6 6 6 8 6	Dive on Ste
10 7 10 4 1 10 9 8 6 9 3 0 7 7 9 9 6 6 6 3 3 7 7 2 9 6 6 6 3 7 7 2 9 6 6 6 3 7 7 2 9 6 6 6 3 7 7 2 9 6 6 6 3 7 7 2 9 6 6 6 3 7 7 2 9 6 6 6 3 7 7 2 9 6 6 6 7 7 7 2 9 6 6 7 7 7 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Per cent over Proof
CO 2 4 6 6 6 2 4 6 6 6 6 2 4 6 6 6 6 2 4 6 6 6 6	Divs on Stem
4 3 6 9 2 5 5 8 1 4 7 0 3 7 7 7 8 8 3 6 0 0 7 7 7 7 7 8 8 3 6 0 0 7 7 7 7 7 8 8 3 6 0 0 1 1 1 1 2 2 5 9 2 1 1 3 2 5 9 1 1 1 1 1 1 2 2 5 9 2 1 1 1 1 1 1 1 2 2 5 9 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Per cent under Proof
70 2 4 6 8 71 2 4 6 6 8 73 2 4 6 6 8 76 2 4 6 6 8 77 2 4 6 6 8 76 2 4 6 6 8 76 2 4 6 6 8 78 2 4 6 6 8 78 2 4 6 6 8 78 2 4 6 6 8 78 2 4 6 6 8 78 2 4 6 6 8 78 2 4 6 6 8 78 2 4 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Divs on Stem
21 0 21 3 7 22 1 5 2 22 1 6 2 2 2 1 8 2 2 2 1 6 2 2 2 1 8 2 2 2 1 6 2 2 2 1 8 2 2 2 1 8 2 2 2 1 8 2 2 2 1 8 2 2 2 1 8 2 2 2 1 8 2 2 2 1 8 2 2 2 1 8 2 2 2 1 8 2 2 2 1 8 2 2 2 1 8 2 2 2 1 8 2 2 2 1 8 2 2 2 2	Per cent under Proof
80 22 46 68 82 24 66 8 82 24 66 8 82 24 66 8 82 24 66 8 82 24 66 8 82 24 66 8 82 24 66 8 82 24 66 8 89 22 66 8 89 29 68	Dive on Stem
42 8 3 3 4 4 4 3 3 4 4 4 4 5 6 4 4 4 7 6 5 6 8 4 4 4 7 6 6 4 4 4 7 6 6 6 6 7 7 7 6 6 8 3 6 7 7 6 6 8 3 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Per cent under Proof
90 2 4 6 6 8 94 2 4 6 6 8 95 2 4 6 6 8 95 2 4 6 6 8 95 2 4 6 6 8 95 2 4 6 6 8 95 2 4 6 6 8 95 2 4 6 6 8 95 2 8 95	Dire on Stem
72 0 173 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Per cent under Proof.

A Temperature 68° F.

		<u>`</u>		-		_			_	
Dive on Stem		Per cent over Proof	Dive on Stem	Per cut	Divs on Stem	Per cent over Proof	Dive on Stem	For cent over Proof	Dive on Stem	Per cent
6 '	73 4 73 2 73 1 18 73 0 73 0 72 7 72 6 72 5 72 4 72 2	71 3 71 1 1 70 8 70 8 70 8 70 5 70 3 70 5 70 3 70 6 9 9 7 6 9 6 6 9 5 6 9 6 8 9 6 8 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6 6 8 6	0 2468 2468 2468 2468 2468 2468 2468 2468	54 4 1 8 6 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	10 2 4 6 8 8 11 2 4 6 6 8 8 14 2 4 6 6 8 8 15 2 4 6 6 6 9 1 17 2 4 6 6 6 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		21 24 68 24	45 1 8 44 6 44 4 4 6 44 4 4 2 5 43 7 43 5 7 43 5 7 43 5 7 3 7 5 7 5 7 7 7 7 7 7 7 7 7 7 7 7	32 21 46 8 21 46 8 21 46 8 25 21 46 8 25 21 46 8 25 25 25 25 25 25 25 25 25 25 25 25 25	33 6 4 3 33 2 3 3 4 8 3 3 3 4 8 3 3 3 4 8 3 3 3 4 8 3 3 3 4 8 3 3 3 8 8 6 3 3 8 8 6 3 3 8 8 6 3 3 8 8 6 3 3 8 8 6 3 3 8 8 6 3 3 8 8 6 3 3 8 8 6 3 3 8 8 6 3 3 8 8 6 3 3 8 8 6 3 3 8 8 6 3 3 8 8 6 3 3 8 8 6 3 3 8 8 8 8

Temperature 68° F.

						_				_	-
Dire on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs or Stem	er cent under Proof	Dry on Stem	er eent under Proof	Dive on Stem	er cent under Proof	Dive on Stem	er cent under Procf
Div	Per	Dive	Per	Divis	Per cent under	Ď	Per cent under I	غُ	Per cent under F	Dive	Per cent under 1
40 2	23 7 23 5	50 2	10 4 10 1	60 2	4 3 4 6	70 2	21 4 21 8 22 2 22 6	80 2 4	43 2 43 7	30 2	73 2 73 8
2 4 6 8	23 7 23 5 23 2 22 9 22 7 22 4 22 1	2 4 6 8	9 5 9 2	2 4 6 8	4 9 5 2	4 6 8	22 2 22 6 23 0	4 6 8	43 2 43 7 44 2 44 7 45 2 45 7	2 4 6 8	71 4 75 1
41 2 4 6	22 4 22 1	51 2 4	8 6	61	5 8 6 1	71	23 4 23 8	81 2	43 2 43 7 44 2 44 7 45 2 45 7 46 2 46 8	91 2	73 2 73 8 74 4 75 1 75 7 76 3 76 9
8	23 7 23 5 23 2 22 9 22 7 22 4 22 1 21 8 21 6 21 3 21 0 20 7 20 7 20 5 20 3	6 8	10 1 1 0 1 1 9 5 5 8 9 9 5 2 8 9 9 8 8 9 8 8 3 3 8 7 7 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 4 6 8	4 3 3 4 4 9 5 5 5 8 6 1 4 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 8 8 3 8 7 7 9 9 3 8 7 10 9 9 9 9 11 3 3 6 11 9 9 9 13 3 6	2 4 6 8	21 4 21 8 22 2 22 6 23 4 23 8 24 2 25 0 25 1 25 1 25 2 26 5 26 5 27 6 27 6 27 6 27 6 27 6 27 6 27 6 27 6	6 8	46 2 46 8 47 3 47 9	4 6 8	75 7 76 3 76 9 77 5 78 1 78 7 79 3 79 9 80 5 81 1 81 7
42 2 4	21 0 20 7 20 5	52 2 4	7 4	62	74	72 2 4	25 1 25 8	82	48 4	92	79 3 79 9
6 8 43	20 5 20 3 20 0 19 8	6	66	4 6 8	8 0 8 3 8 7 9 0 9 3	6 8	26 1 26 5 26 9	4 6 8	49 0 49 6 50 1 50 7 51 2 51 8 52 4	4 6 8	80 5 81 1 81 7
43 4 6 8	19 6	53 2 4	57	63	9 3	73	26 9 27 2 27 6 27 9 28 3 29 7 29 1 29 6	83 2 4 6	51 2 51 8	13 2 4	81 1 81 7 82 3 82 9 83 5 84 1 84 6
6 8	19 6 19 3 19 1 18 8 18 5 18 2 18 0 17 7 17 5 17 2 17 0	6 8 54	5 1 4 8	6	9 6 9 9 10 3	2 4 6 8	28 3 29 7	8	53 0	6 8	82 3 82 9 83 5 84 1 84 6 85 2 85 8 86 4
2	18 2 18 0	1 2	4 2	64 2 4	10 6 10 9 11 3 11 6	74 2 4	29 1 29 6 30 0	84 2 4	53 6 54 2 54 8 55 4	94 2 4	85 2 85 8
6 8 45	17 2	55 2	3 7 3 4 3 1	2 4 6 8	11 6 11 9 12 3	. 6	30 4 30 8	6 8	56 0 56 6	6 8	86 4 87 0 87 5
4	17 0 16 7 16 4	4 6	2 8 2 5	2 4 6	11 9 12 3 12 6 12 9 13 2 13 6	2	30 4 30 8 31 3 31 7 32 1 32 5 33 0 33 5 33 9 34 4	85 2 4	56 0 56 6 57 2 57 8 58 4 59 0	95	88 1 88 6
6 8 46	16 2 15 9	56	2 2	66	13 2 13 6 13 9	6 8 76	32 5 33 0	6 8	59 0	2 4 6 8	89 2 89 8 90 4
2 4 6	16 2 15 9 15 6 15 4 15 1 14 9	2 4 6	14	2	14 3 14 7	2 1 6	33 9 34 4	2	59 6 60 3 60 9 61 5 62 2 62 8 63 5 64 1 64 8	96 2 4	91 0 91 6 92 1 92 6
6 8 47	14 6	57 8		6 8	14 7 15 1 15 5 15 8	6 8 77	31 9 35 3 35 7	8 87	61 5 62 2 62 8	6 8	92 6 93 1
2 4 6 8	14 4 14 1	2 4 6		2 4 6	16 2 16 6	2 4. 6 8	36 2 36 7	2 4	63 5 64 1 64 8 65 4 66 1 66 7 67 3	2	93 7 94 2 94 7
48	13 8 13 6 13 3 13 0	58	10	68	16 6 16 9 17 3 17 6	78	37 7 37 7 38 2	88 88	65 4 66 1 66 7	94	95 2 95 7 96 2
2 4 6 8	13 0 12 7 12 4	2 4 6	0 4 0 7 1 0 1 3 1 6 1 9 2 2 2 5 2 8	2 4 6	18 0 18 4 18 7	2 4 6	31 7 32 1 32 5 33 0 33 5 33 9 34 4 35 3 35 7 36 2 36 7 37 2 37 7 38 7 39 2 39 6	2 4 6	67 3 68 0 58 6	2 4 6	96 7 97 2
49	13 8 13 6 13 3 13 0 12 7 12 4 12 2 11 9 11 6 11 3 11 0	19 2	0 1 0 4 0 7 1 0 1 3 1 1 0 2 2 2 2 2 8 3 1 3 4 0	69	13 9 14 3 14 3 15 1 15 5 15 8 16 6 16 9 17 3 17 6 18 4 18 7 19 1 19 5 19 9 20 3 20 3	79 8	40 1 40 6	8 98	69 3 70 0	99 8	87 0 87 5 88 5 88 6 89 2 89 8 90 4 91 0 92 6 93 1 92 6 93 1 94 7 95 7 96 2 97 7 98 3 98 8 98 8
9 4 6	111 0	6	3 1 3 4 3 7	2 4 6 8	19 1 19 5 19 9 20 3 20 6 21 0	2 4 6 8	41 1 41 6 42 2 42 7 43 2	2 4 6	69 3 70 0 70 6 71 3 72 0 72 6 73 2	4 6	99 8
50 8	10 7 10 4	60 8	3 7 4 0 4 3	70 8	21 0 21 4	80	42 7 43 2	90 8	72 6 73 2	100	İ

A Temperature 69° F.

		``		1				
Dive on Stem A Per cent	Dive on Stem A Per cent over Proof	Diva on Stem Per cent over Proof	Diva on Stem	Per cent ower Proof	Dive on S'em	Per cent over Proof	Dive on Stem	Per cent over Proof
0 2 4 4 6 8 8 1 2 4 4 6 8 7 1 4 6 7 7 1 7 8 6 8 7 7 1 8 6 8 7 7 1 8 6 7 7 1 8 1 6 7 1 8 1 6 7	10 2 7115 2 4 1712 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 2 64 64 64 64 64 64 64 64 64 64 64 64 64	* 10 2 4 6 6 8 11 2 4 6 6 8 8 11 2 4 6 6 6 8 11 2 4 6 6 6 8 11 2 4 6 6 6 8 11 2 4 6 6 6 8 11 2 4 6 6 6 8 11 2 4 6 6 6 8 11 2 4 6 6 6 8 11 2 4 6 6 6 8 11 2 4 6 6 6 8 11 2 4 6 6 6 8 11 2 4 6 6 6 8 11 2 4 6 6 8 11 2	55 8 6 5 5 6 5 6 5 6 6 6 6 6 6 6 6 6 6 6	20 2 4 6 6 8 22 2 4 6 6 8 25 2 2 4 6 6 8 25 2 2 4 6 6 8 25 2 2 4 6 6 8 25 2 2 4 6 6 8 25 2 2 4 6 6 8 25 2 2 4 6 6 8 25 2 2 4 6 6 8 25 2 2 4 6 6 8 25 2 2 4 6 6 8 25 2 2 4 6 6 8 25 2 2 4 6 6 8 25 2 2 2 4 6 6 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	44 5 3 44 1 1 43 9 6 42 9 7 42 42 0 7 42 42 0 7 40 5 3 9 9 7 4 20 3 9 9 7 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	8 32 2 4 6 8 8 34 2 2 4 6 6 8 8 35 2 4 6 6 6 6 6 6 6 6 6	35 1 3 1 7 7 3 1 3 1 3 2 7 6 1 4 1 1 2 3 3 3 1 3 2 7 6 1 4 1 1 2 3 3 3 1 3 2 7 6 1 4 1 1 2 3 3 3 1 3 2 7 6 1 4 1 1 2 3 3 3 3 3 3 3 2 7 6 1 4 1 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

Temperature 69° F.

·											
Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Dive on Stem	Per cent under Proof	Dive on Stem	For cent under Proof	DIVE on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof
40 2 4 4 6 8 42 2 4 4 6 6 8 43 2 4 6 6 6 4 9 4 6 6 6 4 6 6 6 4 6 6 6 6 6	23 1 23 2 3 2 3 2 3 2 3 2 3 2 3 3 2 3 3 2 3	50 2 4 6 8 51 2 4 6 6 8 52 2 4 6 6 8 53 2 4 6 6 8 53 2 4 6 6 8 57 2 4 6 6 8 57 2 6 6 7 2 6 7 2 6 7 2 6 7 2 6 7 2 6 7 2 6 7 2 6 7 2 6 7 2 6 7 2 6 7 2 6 7 2 6 7 2 6 7 2 6 7 2	0974166307741863064185290418688877776663077418529041852921810741258888877776663077776633344333446	60 2 4 6 6 6 6 2 4 6 6 6 6 6 7 6 6 6 7 6 6 6 7 6 6 7 6 7	4 6 9 2 5 6 8 8 4 4 7 7 7 7 7 7 7 8 8 8 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	70 2 4 6 8 71 2 4 6 6 8 72 2 4 6 6 8 73 2 4 6 6 8 73 2 4 6 6 8 75 2 4 6 6 8 77 2 4 6 6 8 77 2 4 6 6 8 75 2 4 6 8 8 8 8 8 8 8	21 2 2 3 3 4 2 3 3 3 4 2 3 3 3 4 2 3 3 3 3	80 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6	43 6 44 1 6 44 1 6 44 1 6 44 1 6 4 1 6 4 1 6 4 1 6 1 6	90 2 4 6 8 92 2 4 6 8 95 2 4 6 6 8 99 2 4 6 6 8 8 99 2 4 6 6 8 8 99 2 4 6 6 8 90 2 6 6 8	73 5 1 74 1 7 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7

A Temperature 71° F.

ı⊊	=			7611	pera	itur	71	°F.				
o Divs on Stem	- -	over Proof.	Per	Divs on Stem	- =-	Dura Sa Sa	- -	-1-	Divs on Stem	Per cent over Proof.	Divs on Stem	Per cent over Preof
2	74 7	12	2 70 2 4 70 4 6 70 3 8 70 1 2 69 9 4 69 7 6 69 69 3 2 69 3 2 69 3 2 69 3 3 69 3 6 60 3	2 4 6 8	63 6 4 63 6 64 6 6 6 7 6 6 7 6 7 6 7 6 7 6 7 6 7	12 12 13 14 14 15 15 16 17 2 4 4 6 18 18 2 2 4 4 6 8 17 2 4 6 8 18 19 19 19 19 19 19 19 19 19 19 19 19 19	53 52 52	26 27 4 4 8 28 2 4 6 6 8	2468 2468 2468 2468	2 5 2 3 2 0 1 8 1 5 1 3 1 0 0 8	30 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 2 4 6	33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

Temperature 71° F.

										_	
Dave on Stem	Per cent over Proof	Divs. on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divy on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof
40 2 4 6 8 8 41 2 4 6 6 8 8 44 2 4 6 6 8 44 2 4 6 6 8 44 2 4 6 6 8 45 2 4 6 6 8 45 2 4 6 6 8 45 2 4 6 6 8 6 8 8 2 4 6 6 8 8 8 2 4 6 6 8 8 8 2 8 8 8 2 8 8 8 8 2 8 8 8 8 8	22 0 3 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	50 2 1 4 6 8 5 2 4 4 6 8 5 8 2 4 4 6 8 5 8 8 2 4 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6	76 73 70 64 59 53	60 2 4 4 6 6 8 2 4 4 6 6 8 8 2 4 4 6 6 8 8 2 4 4 6 6 8 8 2 4 6 6 8 8 2 4 6 6 8 8 6 7 9 6 7 9 6 7 9 6 7 9 6 7 9 6 7 9 6 7 9 6 7 9 6 7 9 6 7 9 6 7 9 6 7 9 6 7 9 6 7 9 6 7 9 6 7 9 6 7 9 6 7 9 7 9	5 5 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	79	25 26 3 2 2 2 6 3 2 2 7 4 4 2 7 8 2 6 0 2 2 9 8 2 9 9 4 8 2 3 3 1 5 9 4 8 3 3 3 2 7 3 3 4 6 0 3 3 5 0 4 8 3 3 3 3 7 3 3 4 6 0 3 5 0 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	80	######################################	92 24 6 8 24 6 9 2 4 6 6 9 2 4 6 6 9 5 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	73 9 74 5 1 8 1 7 7 7 7 4 5 1 8 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7

67 1

A Temperature 72° F.

Dies on Stem A For cent	12 Per cent	Divis	Preent over Proof	Divs	Per cent	Divs on Stem	Fer cent	O Divs on Stem	Per cent
2 4 0 8 1 2 1 0 0 8 1 2 1 0 0 8 1 1 2 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	2 71 0 6 70 7 8 70 6 11 2 70 3 4 70 2 12 70 3 13 70 5 14 70 2 16 70 1 2 03 7 4 69 5 4 69 5 4 69 5 4 69 5 13 69 9 2 69 0 14 69 5 16 69 1 2 69 0 17 69 0 18 69 0 18 69 0 18 69 0 19 69 0 19 69 0 19 69 0 19 69 0 19 69 0 19 69 0 10	8 2 2 4 6 6 8 4 2 4 6 6 8	04 0 8 7 5 3 2 0 8 7 5 7 7 9 7 9 8 6 6 3 2 7 5 7 7 9 7 7 6 7 5 7 5 8 6 6 3 2 7 5 7 7 6 7 7 6 7 7 7 7 7 7 7 7 7 7 7 7	2 4 6 8 11 2 4 6 8 13 2 4 6 8 8	55 6 1 2 1 9 7 5 5 6 1 7 5 5 6 1 9 7 5 5 6 1 9 7 5 5 6 1 9 7 5 6 1 9 7 5 5 6 1 9 7 5 6 1 9 7 5 6 1 9 7 5 6 1 9 7 5 6 1 9 7 5 6 1 9 9 9 9 1 9 1	21 21 22 44 68 22 24 4 68 25 24	45 6 6 4 2 4 4 4 5 7 4 4 4 4 5 7 4 4 4 4 5 7 4 4 4 4	2 2 4 6 6 8 3 2 4 6 6 8 3 4 2 4 6 6 8 3 5 2 4 6 6 8 3 5 2 4 6 6 8 3 5 2 4 6 6 8 3 5 2 4 6 6 8 3 5 2 4 6 6 8 3 5 2 4 6 6 8 3 5 2 4 6 6 8 3 5 2 4 6 6 8 3 5 2 4 6 6 8 3 5 2 4 6 6 8 3 5 2 4 6 6 8 3 5 2 6 6 8 3 5 2 6 6 8 3 5 2 6 6 8 3 5 2 6 6 8 3 5 2 6 6 8 3 5 2 6 6 8 3 5 2 6 6 8 3 5 2 6 6 8 3 5 2 6 6 8 3 5 2 6 6 8 3 5 2 6 6 6 8 3 5 2 6 6 6 8 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	34 2 0 7 3 3 3 0 8 5 3 1 8 5 3 3 7 4 1 0 7 7 4 2 9 5 7 4 1 1 1 5 2 1 1 8 5 3 3 5 3 5 3 5 1 8 5 3 1 8 5

Temperature 72° F.

Α

Temperature 73° F.

, ,	1 1		_						
Days on Stem A Per cent over Proof	Dive on Stem Per cent over Proof	Divs. on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
73 4 4 73 2 6 73 1 8 73 0 7 72 9 2 72 7 4 72 6	10	68 21 4 6 8 2 4 6 8 2 4 6 8 2 8 2 8 8 2 8	1976+3198613197532086531988643197642088643197642088643177644208864317764420886431776442088644317764420886443177644208864444176444444444444444444444444444444	10 2 4 4 6 8 12 2 4 6 6 8 14 2 4 4 6 6 8 15 2 4 6 6 8 15 2 4 6 6 8 16 2 4 6 6 6 8 16 2 4 6 6 6 8 16 2 17 8 18 2 4 6 6 8 19 2 2 4 6 6 6 8 19 2 2 4 6 6 6 8 19 2 2 4 6 6 6 8 19 2 2 4 6 6 6 8 19 2 2 4 6 6 6 8 19 2 2 1 6 6 8 19 2 2 1 6 6 8 19 2 2 1 6 6 8 19 2 2 1 6 6 8 19 2 2 1 6 6 8 19 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5515642000755551000000000000000000000000000000	8 21 2 4 6 8 8 22 4 6 6 8 8 24 2 4 6 6 8 8 24 2 4 6 6 8 8 24 2 4 6 6 8 8 25 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	\$3319044420563 \$4\$590444420563 \$4\$590565 \$4\$590565 \$4\$590565 \$4\$590565 \$4\$590565 \$4\$590565 \$4\$590565 \$4\$590565 \$4\$590565 \$4\$590565 \$4\$590565 \$4\$590565 \$4\$590565 \$4\$590565 \$4\$590565 \$4\$590565 \$4\$59056 \$4\$5906	32 2 4 6	333 7 7 6 2 6 9 8 5 3 1 8 6 6 3 1 9 6 7 4 1 9 6 6 4 1 9 6 6 7 2 2 2 3 0 8 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6

Temperature 73° F.

A Temperature 74° F

/					
Dive on Stem	Dive on Stem Per pent crer Proof Dive on Stem	Per cent over Proof Divs on Stem	Per cent over Proof Days on Stem	Per cent over Proof Dive on Stem	Per cent over Proof
4 74 6	2 100 6 2 4 6 7 7 2 1 6 7 7 2 1 7 6 7 8 1 7 6 7 8 1 7 7 2 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	59 8 6 5 5 5 5 6 6 8 5 5 5 6 8 4 6 4 6 5 6 8 6 6 8 7 7 4 8 6 6 8 7 7 4 8 6 6 8 7 7 4 8 6 6 8 7 7 4 8 6 6 8 7 7 4 8 6 6 8 7 7 4 8 6 6 8 7 8 6 6 8 6 8 7 8 8 8 8 8 8 8 8	15 8 13 24 11 2 1	42 9 32 42 7 2 42 4 4	33 8 4 1 3 3 3 4 1 3 3 3 5 3 4 1 3 3 5 3 4 1 3 3 5 3 4 1 3 3 3 5 3 4 1 3 3 5 3 5 3 5 3 5 3 5 3 5 5 5 5 5 5 5

Temperature 74° F.

Divs on Steni	, oo	Divs on Stem	Per cent. over Proof	on Stem	er cent under Proof	Dive on Stem	er cent under Proof	Dive on Stem	er cent under Proof	on Stem	er cent under Proof
Divs	Per cent aver Pr	Divs	Per cent.	Diva	Per cent under	Dive	Per cent	Div	Per cent	Divs	Per cent
40 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	21 7 21 5 21 3 21 3 21 3 21 3 21 3 21 3 21 3	50 2 4 6 8 8 51 2 4 4 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	877770862968148529074418469 3369278147793692784485270	60 2 4 6 8 61 2 4 6 8	0 3 6 6 6 6 9 7 2 7 7 5 8 8 1 1 1 1 4 2 1 1 1 1 4 2 1 1 1 2 1 1 1 4 2 1 1 1 5 6 1 1 1 1 4 2 1 1 1 1 4 2 1 1 1 1 4 2 1 1 1 1	70 2 4 6 8 71 2 4 6 8 72 2	23 6 6 23 9 7 24 3 24 5 25 7 2 25 1 25 6 1 25 6 7 2 25 7 2 25 1 28 0 0 27 2 2 27 2 29 1 5 29 3 30 7 2 29 1 31 6 3 3 1 5 3 3 1 5 3 3 7 2 3 2 4 2 3 3 6 7 3 3 7 2 3 3 6 1 3 3 9 6 1 3 3 9 6 1 3 3 9 6 1 3 3 9 6 1 3 3 9 6 1 3 3 9 6 1 3 3 9 6 1 3 3 9 6 1 3 3 9 6 1 3 3 9 6 1 6 1 1 3 9 9 6 1 1 3 9 9 8 1 1 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	80 2 4 6 8 8 2 2 6 8 8 2 2 4 4 6 8 8 8 4 2 8 8 8 8 4 2 8 6 8 8 8 4 2 8 6 8 8 8 4 8 8 8 8 4 8 8 8 8 4 8 8 8 8	45 4 46 4 47 49 44 47 49 49 49 69 47 55 51 2 55 8 4 55 2 4 55 2 55 8 55 1 2 55 65 1 2 55 65 1 2 55 65 65 65 65 65 65 65 65 65 65 65 65	00 2 4 6 6 8 91 2 4 6 6 8 92 2 4 4 6 6 6 9 9 2 2 4 4 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	74 73 3 75 5 777 1 7 778 8 4 8 6 8 7 77 1 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8
43	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	59 2 4 6	4 8 5 1 6 3 5 7	6º 2	20 8 21 1 21 5 21 8 22 2 22 5 22 9 23 6	79 2 4 6	40 8 41 0 41 5 42 0 42 5 43 0 43 5 43 9 44 4	89 2 4 6	71 0 71 7 72 3 72 9 73 5	99 2 4 6	99 1 99 6
10	8 5	60 8	6 0	70 8	23 2 23 6	80 8	44 9 45 4	90	74 1 74 7	100 8	

A

Temperature 75° F;

	==							
Dies on Stem A Per cent over Proof	Dita on Stem A Per cent over Proof	Dive on Stem	D vs on Storn	Per cent	Divs on Stem	Per cent over Proof	Divis on Stern	Per cent over Proof
0 2 4 6 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2 67 1	1 24 6 6 2 2 2 4 6 6 8 6 7 7 9 8 6 8 8 7 7 9 8 6 6 8 8 7 7 9 8 6 6 8 8 7 7 9 8 6 6 9 8 6 9 8 6 6 9 8 6 6 9 8 6 6 9 8 6 6 9 8 6 6 9 8 6 6 9 8 6 6 9 8 6 6 9 8 6 6 9 8 6 6 9 8 6 6 9 8 6 6 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 9 8 6 9 9 9 8 6 9 9 9 8 6 9 9 9 8 6 9 9 9 8 6 9 9 9 8 6 9 9 9 9	10 2 4 6 8 12 2 4 6 6 8 13 2 4 6 6 8 8 13 2 4 6 6 8 8 17 2 4 6 6 8 17 2 4 6 6 8 17 2 4 6 6 8 17 2 4 6 6 8 17 2 4 6 6 8 17 2 4 6 6 8 17 2 4 6 6 8 8 10 2 4 6 6 8 8 10 2 4 6 6 8 8 10 2 4 6 6 8 8 10 2 4 6 6 8 8 10 2 4 6 6 8 8 10 2 4 6 6 8 8 10 2 4 6 6 8 8 10 2 4 6 6 8 8 10 2 4 6 6 8 8 10 2 4 6 6 8 8 10 2 4 6 6 8 8 10 2 10 2 10 10 10 10 10 10 10 10 10 10 10 10 10	557531975440 55753555555555555555555555555555555555	20 2 4 6 8 21 2 4 6 8 8 24 6 8 8 24 6 8 8 25 24 6 8 8 27 21 4 6 8 20 24 6 8	44 1 5 5 1 4 4 1 9 6 4 4 1 9 6 4 4 1 9 7 5 5 0 8 6 4 2 9 0 7 5 5 0 9 7 5 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5	\$2 24 6 8 34 54 6 8 35 24 6 8 35 2	55 3 1 4 6 3 1 1 0 7 4 1 0 7 5 5 7 1 8 5 5 7 1 8 5 5 7 1 8 5 5 7 1 8 5 5 7 1 8 5 5 7 1 8 5 5 7 1 8 7 1 8 7

Temperature 75° I

-		-	_					==			
Dres on Stem	-	Diva on Stem	•	Divs on Stem	joc	Dive on Stem	300	Divs on Stem	fer cent under Proof	Divs on Stem	90
g	Per cent	g	Per cent over Proof	ď.	Per cent under Proof	Ē	Per cent under Proof	6	<u> </u>	ě	er cent under Proof
	£_		3.5		g ta ,	ě	Per cent	۰	Per cent under 1		g g
D.	Per cent over Pro	Δ.	Fer cent	Ä	Per cent under P	á	F. S	Div	됩	å	Per cent under P
40 2 4 6 8	1	50 4 6 .8	8529631852974185207418530741814703692581477369258147736925814746655554444333322221111000000111122233334444555666	60 2 4 6 8	67073692592582592582592582592582592582592582592582592582592582592582592582592582592592592592592592592592592592592592592	70 2 4 6 8	037048158260237159937159948161616161602222222222222222222222222222	80 2 4 6 8	45 8 46 3 46 8 47 3 47 8 48 3 48 9 49 4	90 2 4 6 8 91	75 6 75 6 76 2 76 8 77 3 77 9 78 4 79 6 80 2 80 8 81 3
2 4 6 8	19 7	51 2 4 .6 8 52 2 4 6 8	5 8 5 5	2 4 6 8	8.9	2 4 6 8	26 5 26 8	2 4 6	48 9 49 4 49 9	2 4 6	78 4 79 0 79 6
42 8	19 2	52 52	52	62	9 5	72 8	27 2	82	50 5 51 1 51 6 52 2 52 8 53 3 53 9 54 5 55 1 55 6	92	80 2 80 8 81 3 81 9 82 5 1 83 7 84 3 84 9 85 5 86 0 86 6 87 7 89 3
2	18 6	2	4.7	2	10 2	2	28 0	°- 2	51 6	2 4 6	81 3
1. 6	18 1	Ğ	4 1	2 4 6 8	10 8	2 4 6 8	28 7	2 4 6	52 2 52 8	6	82 5
43	17 6	53 53	38	63	11 2	73	20 I 20 5	83	53 3 53 9	93	83 1 83 7
4 6 8	17 3	2 4 6 8	3 2	63 2 4 6 8	11 8	2 4 6 8	29 9	2	54 5	2 4 6	81 9 82 5 83 1 83 7 84 3 84 9 85 5 86 0 86 6 87 2 87 3 88 8 89 3
6	16 8	Ĝ	2 7	6	12 5	6	30 7	2 4 6 8	55 6	6 8	85 5
41	16 2	54	2 1	64	13 2		31.5	81	56 2 56 8	94	86 6
2 4 6 8	15 7	2 4 6	18	2 4 6 8	13 6 13 9	12 4 6 8	31 9 32 4	9 4	55 1 55 6 56 2 56 8 57 4 59 0 58 6	2	87 2 87 7
6 8	15 4	6 8	13	6	14 2	6	32 8	6	58 6 59 2 59 8	6	89 3
(45	14 9	55 2	0.7	€5	15 0		33 9	85	59 2 59 8 60 4 61 0 61 6 62 2 7 63 3 64 5 65 6 65 6 66 7 67 5 68 2	95	88 8 89 3 89 9
2	14 4	1 2	0 1	2 4 6	15 7	2 4 6 8	34 7	2 4 6	60 4 61 0	2 4 6	90 S
6 5	14 1	6 8	0.2	. G	16 0	6	35 2 35 7	6 8	61 6	6 8	91 0
43. 24 40. 8	13 6	56	07	60	16 7		3G 1	86	61 6 61 6 62 2 62 7 63 3 63 9 64 5	20	92 1
1 4	13 0	1 4 6 8 8 1 57 2 4	1 3	2 4 6 8	17 5	2 4 6 8	37 1	2 4 6	63 9	2 4 .6	93 1
] -8	12 7	6 8	16 19	8	17 8	6 8	37 6 38 1	6 8	64 5 65 0	.6 8	93 6 94 2
47	12 1	57	2 2	67	18 5	77	39 6	87	65 0 65 6 66 3	97	94 7
1 4	11 5	4	28	4	19 2	2 4 6	39 5	2 4	66 9	2 4 6	95 7
4 4 8	11 2	r 8	3 I 3 4	2 4 6 8	20 0	8	40 0 40 5	6	67 5 C8 2	8	96 2 96 7
l: 49.	10 7	58	3 7	68	20 4	78 2	41 0	SS	69 9	98	97 3
.2	10 i	4 6	4 3	4 6 8	21 1	4	41 9	4	70 1	2	80 9 90 5 91 5 91 5 92 6 93 6 93 6 94 2 94 7 95 7 96 7 87 8 97 8 98 8
8	9 5	6 8	4 9	1 . š	21 8	8	42 4 42 9	8	70 7 71 3	6 8	99 3
49	92	59 2 4 5 8	5 ±	69 2	22 2 22 6	79 2	43 4 43 9	89	66 9 67 5 68 2 69 9 4 70 1 70 7 71 3 72 0 72 6 73 2 73 8 74 4	99	99 8
4	8 6	1 .4	5 8	4 6 8	22 9	4 6	44 3	4 6	73 2	4 6 8	
1 8	14 1 13 8 13 3 0 12 7 4 12 12 1 12 11 8 11 10 7 10 1 10 1 10 10 1 10 1 1 1 1	8	6 4	8	23 7	, 8	45 3 45 8	8	73 2 73 8 74 4 75 0		
50	78	60	67	70	24 0	80	45 8	90	75 0	100	

15

A Temperature 76° F.

		_									
Divs on Stem	Per cent over Proof	Divs on Stem	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Divs on Stem	SES Per cent	10 Pire on Stem	Per cent	Divs on Stem	Per cent	Divs on Stem	ES Per cent
2 4 6 8 1 2 4 6 9 2 2 4 6		4 6 8 112 2 4	69 9 69 6 69 5 69 3 69 2 69 1	2 2	62 0	11 2 4 6 8 12 2 4 6	54 5 54 4 54 2 54 0 53 7 53 3 53 7 53 5 53 1 52 9 52 5 52 1 51 7 51 5 51 5 50 9 50 7 50 5 50 7 50 9 50 9	21 21 6 8 22 22 24 6	41 6 41 4 44 2 43 7 43 5 43 2 43 0 42 8 42 2 42 1 41 8 41 6 41 4 41 1 40 8	2 4 6 8 31 2 4 6 8 32 2 4	32 0 5 5 3 1 1 9 7 4 2 1 0 8 5 2 2 0 8 5 3 0 0 7 4 2 1 1 0 5 4 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
6 8 3 2 4 6 5 8 5 1 4 2 4 6 6	75 2 75 1 75 0 74 9 74 7 74 6 74 4 74 2 74 2 74 9 73 9 73 8 73 6	13 2 4 6 8 14 2	69 0 88 7 7 69 68 8 7 7 8 8 8 1 9 8 8 1 6 7 7 8 8 7 7 8 8 1 8 1 7 7 8 8 1 7 7 8 8 1 7 7 8 8 1 7 7 8 8 1 7 7 8 8 1 7 7 8 8 1 7 7 8 8 1 7 7 8 8 1 7 8 8 1 7 8 8 1 7 8 8 1 7 8 8 1 7 8 8 1 7 8 8 1 7 8 1 8 1	6 8 3 2 4 6 8 4 2 4 6	60 9 60 7 60 6 60 4 60 4 60 1 59 9 59 7 50 5		52 1 51 9 51 7 51 5 51 3 51 1 50 9 50 7 50 5 50 3	23 24 6 8 24 24 6	40 6 40 4 40 2 39 9 39 7 39 5	8 33 4 6 8 31 2. 4	20 2 9 7 4 2 0 8 5 2 0 8 6 4 2 9 7 4 2 0 8 5 2 0 8 5 2 0 8 5 3 0 8 6 4 2 9 7 4 2 0 8 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
5 2 4 6 8 6 2 4 6 8	7521742777777777777777777777777777777777	15 4 6 8 16 2 4 6	67 3 67 1 67 0 66 8 66 7 66 5 66 4 66 3 66 1 66 0	5 2 4 6 8 6 2 4 6	59 3 59 1 59 0 58 9 58 7 59 3 59 2 58 1 57 7 57 7 57 5 57 3 57 1 56 7 56 5 56 5 56 5	15 2 4 6 8 16 2 4 G	49 9 49 7 49 6	25 2 4 6 8 26 2 4	39 3 39 1 33 8 38 6 38 4 37 7 37 7 37 7 37 5 37 6 36 8 36 6	35 2 4 6 8 36 2 4	27 6 27 3 27 0 26 8 26 5 26 3 26 0 25 8 25 6
7 2 4 6 8 8 4 6 8 8	73 5 73 4 73 3 73 1 73 0 72 9 72 7 72 5 72 4 72 2 72 1 72 0 71 7 71 6 71 5 71 5	17 2 4 6 8 13 2 4 6 8	65 9 65 7 65 6 65 4 65 3 65 2 65 0 64 8 64 7 64 5	4	56 0 55 9	17 4 6 8 18 2 4 6 8	48 4 48 2 47 9 47 6 47 4 47 4 47 4 47 0 46 8 46 3 46 1 45 9 45 7 45 5 45 2 45 0	6	36 8 36 6 36 4 36 1 35 7 35 7 35 5 37 2 33 6 34 3 34 3 34 3 34 3 34 3 34 3 34 3	37 2 4 6 8 38 2 4 6 6	24 9 24 7 24 4 24 1 24 2 23 5 23 4 23 2 23 2 24 2 25 2 27 2 27 2 27 2 27 2 27 2 27 2 27
9 2 4 6 8 10	71 2 71 1 70 9 70 8 70 7 70 5 70 4	19 2 4 6 8 20	64 4 64 2 64 0 63 9 63 8 63 6 63 4	9 2 4 6 8	55 7 55 5 55 3 55 1 54 9 54 7 54 5	19 2 4 6 8 20 8	45 9 45 7 45 5 45 2 45 0 44 8 44 6	29	34 6 34 3 34 1 33 9 33 7 33 4 33 2	39 2 4 6 8	22 6 22 4 22 2 21 9 21 6 21 4 21 1

Temperature 76° F.

						=	
Dive on Stem Per cent	Dits on Stem		Days on Stem	Per cent under Proof -	Per cent under Proof	Days on Stem	Per cent under Proof
				_		90	
40 21 2 20 4 20 6 20 8 20 41 19 2 19	8 2 7 6 4 6 4 6 6 1 8 6 9 51 6 6 2 5 4 4 5	2 2 73 9 4 76 6 6 79 3 8 82 0 6l 55 8 2 88 5 4 92	2 6 9 71	24 6 25 0 25 4 25 8 26 1 81 26 5 26 9 27 2 27 6 28 0 82	46 2 46 7 4 47 2 4 47 7 8 48 2 49 3 49 3 49 3 49 3 50 9 51 5	91 2 4 8 91 2 4	76 4 77 0 77 5 78 1 79 6
4 10 6 19 8 18 42 18 4 18 6 17 4 16 6 16 8 17 4 16 6 16 8 17 4 16 6 16 8 17 4 16 8 17 4 16 8 17 4 16 8 17 4 18 8 18 8 18 8 17 4 18 8 18	4 5 5 5 9 8 4 7 52 4 4 2 4 1 4 4 8 6 3 5 8 3	2 6 9 5 9 8 9 8 6 62 10 1 4 2 10 5 1 4 10 8	72 8 72 2 4	24 6 6 25 0 25 4 81 26 5 26 5 8 82 26 1 81 28 7 2 27 9 8 22 27 9 8 22 28 4 28 7 1 31 1 5 31 9 4 32 8 3 3 3 3 3 3 4 2 8 3 3 4 4 6	2 52 0	92 8 92 4	75 2 9 76 4 0 777 5 1 6 6 777 5 78 6 6 777 5 1
8 17 43 17 43 17 4 + 16 6 + 16 8 - 16	9 8 4 1 2 4 1 8 6 3 5 8 3 5 8 3 5 8 3 5 6 2 2 2 5 7 4 4 1 1 9 6 1 1 1 6 1 1 2 1 1 1 6 1 1 2 1 1 3 6 3 2 2 2 9 54 1 1 1 6 1 1 1 6 1 1 1 6 1 1 2 1 6 1 1 3 5 2 0 1 3 5 2 0 1 3 5 3 2 0 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 6 11 2 5 8 11 5 2 C3 11 9 9 2 12 2 7 4 12 6 4 6 12 9 1 8 13 3	73 2 4 6 8	28 4 7 29 1 29 1 29 1 29 1 29 9 83 20 3 7 31 1 5 31 9 34 2 83 37 4 87 35 6 1 36 1 36 1 37 6 37 6 37 6 37 6 37 6	54 3 2 54 9	93 2 4 6 8	83 3 83 9 84 4 84 9 85 5 86 0
8 16 44 15 2 15 4 15 6 35 8 14	2 8 2 9 54 1 7 2 1 4 4 1 1 6 1 9 8 0	\$ '64 13 6 5 2 14 0 3 4 14 3 0 6 14 6 7 8 15 0 4 65 15 4	74 2 4 6 8	31 9 84 32 4 32 8 23 3 33 7 4 34 2 85	77 1 2 57 7 4 59 3 6 59 9 8 59 5	94 2 4 6 8	86 6 87 1 87 7 83 3 88 8
	6 55 0 3 2 0 1 1 4 6 8 6 0 5 8 0	1 2 15 7 2 3 36 3 4 6 16 4 7 8 16 7 0 66 17 1	2 3 6 8	34 6 35 1 35 6 36 1 36 5 86	2 60 7 4 60 7 4 61 3 6 61 9 8 62 5 6 63 0 2 63 6	6 8	85 8 89 4 89 9 90 5 91 1 91 7 92 7 93 7 94 8 95 3 96 9 97 4 98 4
4 14 6 13 8 13 46 13 4 11 6 11 8 15 4 7 11 6 10 6 10 1 8 10	0 2 1 7 4 1 4 6 1 1 8 2 1 8 57 3	3 2 17 5 6 4 17 8 9 6 18 2 2 8 18 6 5 67 18 9 8 2 19 3	2 4 6 8 77 2	37 5 38 0 38 5 39 0 87 39 4	4 64 2 6 64 8 8 65 4	2 4 6 8 97	93 2 93 7 94 2 94 8 95 3
4 11 6 10 8 10 48 10 2 10 4 9	15	8 2 19 3 1 4 19 7 4 6 20 0 7 8 20 4 0 68 20 7 3 2 21 4 21 4	78 2 4 1 2 4 1 2 4 1 2 4 1 2 4 1 2 4 1 2 4 1 2 1 2	39 9 40 4 40 9 41 4 88 41 8	2 66 6 4 67 2 6 67 9 8 68 5 6 69 2 2 69 8 4 70 4		97 4
48 10 2 10 4 9 8 49 2 8 4 8 5 8	11	3 2 21 1 6 4 21 4 9 6 21 8 2 8 22 1 5 69 22 5 8 2 22 5 8 2 23 4 1 4 23 2 4 6 23 6	2 4 6 8 79 2	35 1 36 1 36 1 36 1 36 1 37 0 37 5 37 0 37 5 39 4 40 9 41 4 8 5 44 3 3 44 4 3 44 4 5 2 45 7 96 6 2	72 2 72 9 4 73 5	99 2 4	97 9 98 4 98 9 99 4 99 9
50 8	1 6 6 8 8 6 5 0 1	7 0 8 24 0 24 3	80 8	45 7 46 2 90	8 74 7 75 3	6 8 100	

A Temperature 77° F.

						_	_	
Divs on Stem A	Divs on Stem A Per cent over Proof	Dira on Stem	Dive on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Diva. og Stem	Per cent over Proof
0 2 4 6 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	6 67 9	4 56 7 6 55 5 8 56 3 8 56 1 2 55 9 4 55 7 6 55 6 3 35 4	10 2 4 6 8 18 12 2 4 6 6 8 18 12 2 4 6 6 8 18 12 2 4 6 6 8 18 15 2 4 6 6 8 18 18 18 18 18 18 18 18 18 18 18 18 1	48 1 9 47 7 5 47 7 5 47 7 5 46 7 46 5 2 46 46 5 8 6 4 4 5 8 6 4 5 8 6 4 4 5 8 6 6 4 5 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	6 8 23 2 4 6 8 24 2 4 6 8 25 25	39 1 37 8 37 6 37 4 37 1 35 9 36 7	30 2 1 6 8 31 2 4 6 8 32 2 4 6 6 8 33 2 4 6 6 8 35 2 4 6 6 8 36 2 4 6 6 8 37 2 4 6 6 8 37 2 4 6 6 8 39 2 4 6 6 8 8 39 2 4 6 6 8 8 39 2 4 6 6 8 8 39 2 4 6 6 8 8 39 2 4 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	22 7 5 7 0 8 6 4 1 1 0 7 5 2 0 7 5 2 0 7 5 2 0 7 5 3 0 8 6 5 1 8 6 5 3 1 8 6

Temperature 77° F.

	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
41 %	20 0 3 0 3 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	50 2 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	60 2 4 4 6 6 6 6 2 4 4 6 6 6 6 6 6 6 6 6 6	19 7 20 1 20 4 20 8 21 1 21 5 21 8 22 2 22 5	6	24 7 1 255 5 9 2 6 0 25 2 5 2 5 2 5 2 5 2 6 2 5 2 5 2 6 2 5 2 5	81 24 68 83 24 68 84 24 68	46 1 6 1 6 1 7 7 8 8 8 9 8 8 9 8 9 8 9 8 9 8 9 8 9 8	00 2 4 6 6 9 2 2 4 6 6 6 9 8 2 2 4 6 6 9 8 9 8 2 2 4 6 6 9 9 8 9 8 9 8 9 8 9 9 8 9 9 8 9 9 8 9	7 6 1 6 1 6 1 7 7 7 7 8 3 6 7 7 7 7 7 7 8 3 6 7 7 7 7 7 7 7 8 3 7 7 7 7 7 7 8 3 7 7 7 7

A Temperature 78° F.

				.emj	erac	ure	10 1				
Divs on Stem	Per cept over Proof	5 Dive on Stem	2 Per cent	O Divs on Stem	Per cent	O Divy on Stem	Per cent	Divs on Stem	Per cent	Diva on Stem	l'er cent.
2 2 4 6 8 8 2 4 6 8 2 4 6 8 2 8 2 4 6 8 2 4 6 8 2 2 4 6 8 2 2 4 6 8 2 2 4 6	2100875443200075542100075754321000075754321000075754321000075754321000075754321000075754321000075754321000000000000000000000000000000000000	2 4 6 6 8 12 2 4 6 6 8 13 2 4 6 6 8 15 2 4 6 6 8 15 2 4 6 6 8 15 2 4 6 6 8 16 2 4 6 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 1 6 6 8 10 1 6 1 6 6 8 10 1 6 6 8 10 1 6 1 6 6 8 10 1 6 6 8 10 1 6 1 6 6 8 10 1 6 1 6 6 8 10 1 6 1 6 6 8 10 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	7080768784-98764321-987705421-08771421-98777720997741-11946173707777777777777777777777777777777777	2 1 4 6 8 2 1 4 6 8 2 1 4 6 8 2 1 4 6 8 2 1 4 6 8 2 1 4 6 8 2 1 4 6 8 2 1 4 6 8 2 1 6 8 2 1 6 8 2 1 6 8 2 1 6 8 3 2	58 2 58 0 57 0 57 7 57 5 57 3 57 2 57 0 56 7 56 5	11 2 4 6 6 8 12 2 4 6 6 8 13 2 4 6 6 8 14 2 4 6 6 8 14 2 14 6 8 15 16 9 16 9 16 9 16 9 16 9 16 9 16 9 1	53 9 53 7 53 5 63 3 5° 1 53 0 52 8	20 2 4 6 8 21 22 2 4 6 8 8 21 22 2 4 6 8 8 21 22 2 4 6 8 8 25 2 4 6 8 8 20 2 4 6 8 20 2 4 6 8 20 2 6 8 20 2 6 8 20 8 20 8 20 8 20	44 0 0 0 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	31 2 4 6 8 3 1 2 4	271213714167 K 3 0 0 6 6 7 1 5 0 4 2 5 7 7 5 2 0 7 5 2

Temperature 78° F.

-					pera						
Divs on Stem	Per cent, over Proof	Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Days on Stem	Per cent under Proof	Divs on Stem.	Per cent under Proof
40 2 4 6 8 42 2 4 6 8 45 2 4 6 8 4 6 8 4 6 8 4 6 8 6 8 4 6 8 6 8 6	16 0 15 15 15 15 15 15 15 15 15 15 15 15 15	50 2 4 6 6 8 51 2 4 6 6 8 53 2 4 6 6 8 54 2 4 6 6 8 55 2 4 6 6 8 55 2 4 6 6 8 55 2 4 6 6 8 55 2 4 6 6 8 55 5 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4 2 3 9 3 7 3 4 3 1	60 2 4 6 6 8 6 2 4 6 6 6 8 6 2 4 6 6 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6	7 7 7 8 8 3 3 8 7 7 7 8 8 3 3 8 7 7 7 8 8 3 3 8 7 7 1 1 3 0 1 1 1 6 6 1 1 1 3 4 1 1 1 5 7 7 1 1 3 0 1 1 1 5 7 1 1 1 1 6 5 1 1 1 1 1 5 7 7 1 1 3 0 5 1 1 1 5 7 7 1 1 3 0 5 1 1 1 1 5 7 7 1 1 3 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	70 2 4 4 6 8 7 1 2 2 4 6 6 8 7 1 2 2 4 6 6 8 7 1 2 2 4 6 6 8 7 1 2 2 4 6 6 8 7 1 2 2 4 6 6 8 7 1 2 2 4 6 6 8 7 1 2 2 4 6 6 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	23 4 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	80 24 66 82 2 4 66 88 82 2 4 66 88 82 2 4 66 88 82 2 4 66 88 85 8 86 2 2 4 66 88 82 82 82 82 82 82 82 82 82 82 82 82	48 1 49 1 6 49 1 6 50 2 5 50 7 7 51 1 2 5 50 7 5 50 7 5 50 7 5 50 7 6 6 7 9 6 6 6 7 7 6 6 7 9 6 6 7 7 6 6 7 7 6 6 7 7 7 7	2 4 6	75 8 776 3 777 4 0 5 777 4 0 5 777 4 0 5 777 4 0 5 777 2 7 5 0 3 9 82 6 1 4 0 8 82 6 1 7 7 7 8 0 3 8 2 6 1 7 7 8 0 7 8 0 7 7 8 0 7 7 8 0 7

Temperature 79° F.

	==								
Divs on Stem A Per cent	Dus on Stem A Per cent over Procf	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent	Drys on Stem	Per cent.
0 1 4 4 7 7 1 1 0 8 7 7 7 1 0 8 7 7 7 1 0 8 7 7 7 1 0 8 7 7 7 1 0 8 7 7 7 1 0 8 7 7 7 1 0 8 7 7 7 1 0 8 7 7 7 1 0 8 7 7 7 1 0 8 7 7 7 1 0 8 7 7 7 1 0 8 7 7 7 1 0 8 7 7 7 1 0 8 7 7 7 1 0 8 7 7 7 1 0 8 7 7 7 7 1 0 8 7 7 7 7 7 1 0 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	10	0 2468 2468 2468 2468 2468 2468 3468 3468 3468 3468 3468 3468	62 7 5 62 2 3 2 62 62 63 64 64 61 13 1 61 62 62 62 62 62 63 63 64 64 64 64 64 64 64 64 64 64 64 64 64	10 2 4 4 6 8 11 2 2 4 4 6 8 8 13 2 2 4 4 6 6 8 15 2 4 6 6 8 17 2 2 4 6 6 8 17 2 2 4 6 6 8 18 2 6 8 19 2 6 8 19 2 6 8 19 2 7 8 19 2 7 8 19 2 7 8 19 2 7 8 19 2 7 8 19 2 7 8 19 2 7 8 19 2 7 8 19 2 7 8 19 2 7 8 19 2 7 8 19 2 7 8 19 2 7 8 19 2 7 9 8 19 2 7 9 8 19 2 7 9 8 19 2 7 9 8 19 2 7 9 8 19 2 7 9 8 19 2 7 9 8 19 2 7 9 9 19 19 19 19 19 19 19 19 19 19 19 19	53 8 7 53 5 3 5 3 5 3 5 3 5 3 5 3 5 3 5 3 5	20 2 4 4 6 8 21 2 4 6 8 22 2 4 6 8 22 2 4 6 8 25 2 2 4 6 8 25 2 2 4 6 6 8 2 6 2 7 2 8 2 7 2 8 2 9 2 9 2 9 2 9 2 9 3 8 30 8 30	43 7 44 2 3 3 4 4 4 4 3 3 4 4 4 4 4 4 3 4 4 4 4	30 2 4 6 8 31 2 4 6 6 8 32 2 4 6 6 8 33 2 4 6 6 8 34 2 4 6 6 8 37 2 4 6 6 8 37 2 4 6 6 8 39 2 4 6 6 8 39 2 4 6 6 8 39 2 4 6 6 8 39 2 4 6 6 8 8 39 2 4 6 6 8 8 39 2 4 6 6 8 8 39 2 4 6 6 8 8 39 2 4 6 6 8 8 39 2 4 6 6 8 8 39 2 4 6 6 8 8 39 2 4 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	22 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

Temperature 79° F.

Divs. on Stem	Divs. on Stem.	Per cent. over Proof.	Dirs. on Stem.	Per cent, under Proof.	Divs. on Stem	Per cent. under Proof	Days on Stem	Per cent. under Proof	Dies. on Stem	Per cent under Proof.
6 14 8 13 15 17 2 173 6 12 8 14 13 16 12 8 14 11 17 19 19 19 19 19 19 19 19 19 19 19 19 19	20 64 2 2 3 1 5 2 4 6 8 8 2 2 5 6 6 8 2 4 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	652003195504420041186521196625703652558147030572581000000000000000000000000000000000000	67 2 4 4 6 6 7 2 4 4 6 6 7 2 4 4 6 6 7 2 4 4 6 6 7 2 4 6 6 7 2 4 6 6 7 2 4 6 6 7 2 4 6 6 7 2 6 7 2 6 7 2 6 7 2 7 2 7 2 7 2 7	8 1 4 4 8 7 7 10 0 0 10 7 11 10 7 11 10 10 7 11 11 11 11 11 11 11 11 11 11 11 11 1	70 2 4 6 6 8 73 8 75 2 4 6 6 8 70 2 4 6 6 8 8 90 8 8 90	55826003771449000048371260493939393939720014105594939393939393939393939393939393939393	80 2 4 4 6 8 8 2 4 4 6 8 8 2 4 4 6 8 8 8 2 4 4 6 8 8 8 2 4 6 6 8 8 8 2 4 6 6 8 8 9 2 4 6 6 8 8 9 2 4 6 6 8 8 9 2 4 6 6 8 8 9 2 4 6 6 8 8 9 2 4 6 6 8 9 2 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	47 ± 4 18 5 0 0 0 1 17 2 18 18 5 0 0 0 0 1 17 2 18 18 18 18 18 18 18 18 18 18 18 18 18	90 2 4 6 6 8 92 2 4 6 6 8 8 92	76.16.2.7.7.7.8.0.0.1.7.2.8.8.0.0.1.7.7.7.7.8.0.0.1.7.2.8.8.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0

A

Temperature 80° F.

Dres on Stem	Dive on Stem	Per cent.	Dive on Stem	Per cent	Divs on Stem	Per cent	Divs on Stem	Per cent	O Divs on Stem	Per cent over Proof
2 4 6 8 1	10 2 4 6 8 8 1 1 2 4 6 8 8 1 5 2 2 8 1 8 2 8 1 8 2 8 1 8 2 8 1 8 2 8 1 8 1	00000000000000000000000000000000000000	2 4 6 8 2 6 6 8 2 6 6 8 2 6 6 8 2 6 6 8 2 6 6 8 2 6 6 8 2 6 6 8 2 6 6 8 2 6 6 8 2 6 6 8 2 6 6 8 2 6 6	57 3 57 2	11 2 4 6 8 8 14 2 4 6 6 8 8 16 2 4 6 6 8 8 17 2 4 6 6 8 8 17 2 4 6 6 8 8 17 2 6 6 8 8 17 2 6 6 6 8 17 2 6 6 6 8 17 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	5342087571075075208642088447076420864208642476642208644474766422086444747646444744766424744747664247447447447474747	24 68 21 24 68 22 4 68 22 22 24 68	43 42 9 7 7 42 9 7 7 8 6 8 7 1 8 6 4 2 9 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	30 2 4 4 6 8 32 2 4 6 6 8 33 2 4 4 6 6 8 33 2 4 4 6 6 8 37 2 4 6 6 8 6 7 2 6	20 7 7 7 3 1 8 6 4 1 7 6 1 7 6 1

GLASS_HYDROMETER. Temperature 80° F.

ī			1							-	
Diva on Stein	Per cent over Proof	Dive on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof.
8	12 8 12 6 12.3 12 0 11 7 11 4 11 2 10 9 10 7 10 3 10 0 9 5 9 5	51 24 68 24	163 107 107 107 107 107 107 107 107	2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8 2 4 6 8	55 2 5 9 2 5 9 2 6 6 7 7 7 8 8 9 9 9 2 6 7 7 8 9 9 9 2 6 7 7 8 9 9 9 2 6 7 7 8 9 9 9 2 6 7 7 8 9 9 9 1 1 2 2 3 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	73 24 68 24 63 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4	30 1 5 330 9 3 31 3 3 9 9 3 31 3 3 2 2 6 3 3 3 3 3 9 9 3 3 3 3 3 3 9 9 3 3 3 3	2 4 6 8 2 4 6 8 8 2 4 6 8 8 6 8 6 8 6 8 6 8 8 8 8 8 8 8 8 8	47 9 4 49 4 0 4 9 5 0 5 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1	92 2 6 8 93 2 4 95 9 3 2 94 2 8 8 8 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9	76 3 3 7 7 7 8 0 6 7 7 7 8 0 6 7 7 7 8 0 6 7 7 7 8 0 8 0 9 7 7 9 2 8 8 0 9 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

A Temperature 81° F.

Divs on Stem	OI Diva on Stem A A S Per cent	Dive on Stem	Divs		Per cent	Divs on Stem	Per cent over Proof
2 4 6 75 2 75 2 75 2 75 2 75 2 75 2 75 2 74 6 75 2 74 6 75 2 74 6 73 6 73 6 8 73 4 4 2 73 2 2 73 2 2 73 2 2 73 2 2 73 2 2 73 2 2 73 2 2 73 2 2 73 2 2 73 2 2 73 2 2 73 2 2 73 2 2 73 2 2 73	2 69 3 4 69 1 6 69 0 8 68 9	2 00 0 0 1 8 0 0 0 0 0 8 0 0 0 1 8 0 0 0 1 8 0 0 0 0	10 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	23 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 42 8- 4 42 4 8 8 42 1 1 1 2 41 6 4 41 3 6 41 3 6 41 3 6 40 9 2 40 4 40 2 2 40 6 3 39 6 2 39 6 3 38 9 6 38 9 6 8 39 6	30 2 4 6 8 31 2 4 6 8 31 2 4 6 8 8 31 2 4 6 8	17440085300861146671074410754075500755007530075300753007530075300
6 72 9 8 72 9 8 72 9 8 72 1 0 5 72 1 0 6 72 1 0 6 71 8 6 71 8 6 71 5 6 7	0 00 4 8 06 3 15 06 0 4 65 9 6 65 7 8 65 6 16 65 4 2 75 3 4 65 1 6 65 0 8 64 8	2 57 4 4 57 2 6 57 1	15 2 4 6 8 16 2 4 6 8	48 8 48 6 48 4 48 2 48 2 48 2 47 8 47 6 47 4 47 2 47 0 46 8 46 6	4 2 38 4 4 38 20 4 38 0 6 37 8 8 37 7 2 37 0 4 36 8 6 36 6 6 36 6 6 36 6 2 36 0 4 35 5 7 31 7 2 31 7 4 31 6 6 31 4 6 32 4 6 32 4 7 31 7 7 2 31 7 6 31 4	35 2 4 6 8 36 2 4	26 7 7 5 2 0 7 5 2 1 5 2 0 7 5 2 1 5 2 0 7 5 2 1 5 2 1 5 2 1 7 5 2 1 5 2
6 70 3 8 70 2 9 70 1 2 69 9	6 63·4 8 63·2	2 55 8 4 65 6 6 55 4 8 55 2 8 1 55 1 2 / 54 9 4 54 7 6 54 5	19	44 4 4 4 2 2	8 34 2 8 34 0 2 33 8 4 33 5 6 33 2 8 33 0	37 2 4 6 8 39 2 4 6 8 39 2 4 4	23 5 23 2 23 0 22 5 22 5 22 5 21 5 21 6 21 7 21 7 21 7 20 7 20 7
4 69 8 5 69 7 8 69 5 10 69 4	19 63 1 2 62 9 4 62 7 6 62 6 8 62 4 20 62 2	9 54 2 2 54 0 4 53 8 6 53 6 8 53 4 10 53 3	20 8	44 0 43 8 43 5 43 2 43 0 3	4 32 4 6 32 1 8 31 9 9 31 7	40 8 40	20 2 20 0 10 7 10 5

Temperature 81° F.

						==	
<u>s</u>	ε.	Divs on Stem Per cent	under 1706f Divs on Stem	<u>ء</u> ۽	ų.	Divy on Mem	-
و يُز ا	, 18. Lo	ž.	under Libbs Diss on Sten	ž ž	Ĕ	ž	Ĕ!
g #4	: g #£	8 F		±≘ g	ŧ÷.	8	= -
, e	:	<u> </u>	5 5	٠ <u>٠</u>	원		قيع
Dies on Mein Per cent	Dive on Stem Per cent over Proof	Divs on Per cent	5 á	Per cent under Proof Diva on Stein	Per cent under Proof	á	Per cent unker Proof
							
40 19	5 50 5 6	60 8	8 70	26 2 NO 26 6 2	49 3	90	61714405161722838445555557787878388555449495051
2 19 4 19 6 18	2 2 5 3 0 4 5 2	2 9	1 2	26 6 2 26 9 4	48 6	2 4 6	77 1
4 19	0 + 52 $7 + 6 + 9$	6 9	8 6	20 9 4	493	6	78 7
8 18	5 8 46	2 9 4 9 6 9 8 10	1 2 4 4 8 6 1 8	27 7	50.3	8	78 9
I 41 IS	2 51 4 4	61 10	4 71	28 0 81	50 9	91	79 4
2 18 4 17	0 2 4 1 7 4 3 8	2 10 4 11 6 11	7 2	28 4 2 28 8	51 4	2	80 0
6 17	5 6 3 5	6 11	4 6	29 2	51 9 52 5 53 0 53 6 54 1 54 6 55 8 56 8 57 4	6	81 1
S 17	2 8 3 2	8 11	7 8	29 2 (29 6 8	53 0	8	Si 6
42 16	9 52 2 9	62 12	0 72	30 0 82	53 6	02	82 1
2 16 4 16	7 2 27 4 4 24 1 6 21 8 8 18	2 12 4 12	4 <u>9</u> 7 4 1 6	30 4 2 30 8 4 31 2 6	54 f 54 f 55 \$	2	82 7
6 16	4 4 24	6 13	1 4	30 8 4 31 2 6 31 6 8	55.0	ų.	83 .
9 15	8 8 18	8 13 63 13	4 8	31 6 8	53 8	š	84 3
43 15	5 53 15	63 13	8 73	32 1 83	56 8 56 8 57 4 57 9 59 0	93	84 R
2 15 4 15 6 14	2 2 12 0 4 10	2 14	2 2 5 4	32 1 83 32 5 5 32 9 4 33 4 6	56 8	2	85 4
4 13	0 4 10	4 14	8 6	32.9 4	57.4	6	85 9
8 14	7 6 07 4 8 04	6 14 8 15	2 8	33 9 8	39.5	8	87 0
44 14	2 54 0 1	64 15	5 74	34 2 84	59 0	94	87 5
2 13 4 13	9 2 02	2 15 4 Ho 6 16 8 16	9 2 2 4 5 6 9 8	32 1 83 2 32 3 4 8 32 33 4 8 8 34 2 84 2 84	59 6	4 6	89 0
4 ' 13	6 4 93	6 16	5 6	35 6 6	60 1	6	50 1
6 13 8 13	0 8 10	8 16	9 8	360 8	61 3	8	89 6
45 12	8 55 13	65 17	2 75	36 0 8 36 4 85	61 9	95	90 2
2 12	5 2 16	2 17	6 2	36 9 5 37 4	62 4	2	90 7
2 12 4 12 6 12	3 4 19	6 18	3 6	37 4 4	63 0	2 4 6	91 2
8 11	5 2 16 3 4 19 0 6 22 7 8 24	2 17 4 18 6 18 8 18	6 2 D 4 3 6 6 8 0 76 4 2 8 4 2 6 5 8	36 9 5 37 4 4 37 6 6 38 2 8 38 7 86 39 1 5	64 1	8	92 2
46 11	4 56 27	66 19	0 76	38 7 86	64.7	26	92 8
2 11	1 2 3 0 9 4 3 3 6 6 3 6 3 8 3 9	2 19 4 19 6 20 8 20	1 2	39 i 3	65 3	2 4 6 9	93 3
1 10	6 6 37	6 20	2 6	400 6	665	6	94.3
6 10 8 10	3 8 3 9	8 20	5 8	40 5	67 1	9	94 8
47 10	0 57 4 5	67 20	9 77	41 0 87	67 7	97	95 4
2 9	7 2 45	2 21	2 2	41.5	6S 3		95.9
2 9 4 9	9 6 5	2 21 4 21 6 31 8 22	2 2 6 4 9 6 3 8	41 5 5 42 0 4 42 5 6 42 9 8	695	4 6	06.0
8 8	7 2 45 4 4 48 2 6 5 1 9 8 5 4	8 22	3 8	39 6 40 0 40 5 41 0 87 41 5 42 0 42 5 42 5 43 4 89 43 4 43 4	70 1	8	97 5
48 8	6 58 5 7	(S 22	6 78	43 4 89	70 7	98	98 D
2 8	3 2 60 0 4 63	2 2	0 .2	43 9 5 44 4 4	71 3	2	98 5
2 8 4 8 6 7 5 7	0 4 63	6 SS	0 .2 3 4 6 6	419 6	72.5	2 4 6	920
1 8 5	5 8 69	8 24	0 8	45 4 6	73 1	. 8	"
49 1 7	2 59 7 2	69 24	4 79		73 7	99	
1 6 6	9 2 73 6 4 79 3 6 8 5	2 94 4 23 6 23 8 23	7 2 1 4 5 6	46 3 5 46 8	74.3	4 6 8	
1 6 6	3 6 8	6.23	5 6	47.3	75 5	6	
6 14 14 14 14 14 12 13 14 13 14 14 14 14 15 14 14 15 14 15 15 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	5 2 0 5 5 3 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2	4 9 9 6 8 9 9 6 8 9 9 6 8 9 9 9 9 9 9 9 9	8 8	46 8 46 8 47 3 47 8 49 3 90	61 1 7 3 9 4 0 5 1 7 7 3 9 5 1 7 7 3 9 5 1 7 7 3 9 5 1 7 7 7 2 5 1 7 7 7 2 5 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		1
50 5	8 CO 8	70 26	2 80	49 3 90	76 5	100	1
1'		'					·

Temperature 82° F.

Diva on Stem A Per cent over Proof	Due on Stem A Per cent,	Dive on Stem Per cent over Proof	Dive on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Dive. on Stem	Per cent over Proof
O 2 4 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7	10 60 2 4 60 60 2 4 60 60 60 60 60 60 60	1 1 1 1 1 1 7 1 7 1 9 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 2 4 6 6 8 8 8 14 2 4 6 6 8 8 8 8 15 2 4 6 6 8 8 8 15 2 4 6 6 8 8 8 8 8 15 2 4 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	53 0 9 1 52 9 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	28 2 4 6 8	36 5 36 3 36 1 35 7 35 4 35 2 35 0 34 6 34 4 34 2 33 9 33 4 33 2 33 9 33 4 33 2 33 2 35 2 37 37 37 37 37 37 37 37 37 37 37 37 37 3	33 2 4 6 8 8 33 2 4 6 6 8 8 37 2 4 6 6 8 8 37 2 4 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	31 4 1 31 1 1 31 1 1 31 1 1 31 1 1 31 1 1 31 1 1 31 1 1 31 1 1 31 1 1 31 1 1 31 1 1 31 1 1 31 1 1 31
2 69 7 4 69 6 6 69 5 8 69 3 10 69 2	2 62 7 4 62 5 6 62 4 8 62 2	2 53 8 4 53 6 6 53 4 8 53 2 10 53 0	2 4 6 8	43 6 43 2 42 9 42 6	2 4 6 8	32 3 32 0 31 8 31 6 31 4	40 8	19 9 19 7 19 4 19 2

Temperature 82° F.

						_		-	_	_	
E	- 1	Ę		Divs. on Stem	-	Divs on Stem	-	Dive on Stem	Per cent under Proof	Dive on Stem.	ايرا
Divs on Stem	Per cent over Proof	Dive. on Stem	over Proof	Š	Per cent under Proof	ಷ	Per cent under Proof	, eg	Ž	ž	Per cent, under Proof
· g	검축시	8	설측.	8	#2	₽,	17.	8	177	름	1
	8 2	ij,	Ę 'n	ę.	દકુ	7.	8.5	2	1 5 5	20	ર સુ
10	Per cent over Pr	Ě	Per cent.	á	Per cent	á	Per cent	ă	Per cent under I	۱ <u>۵</u>	Per cent
											-
40	19 2	50	54	60	9 2	70	26 6	30	48 14 14 14 14 14 14 14 14 14 14 14 14 14	90	76 8
2	19 2 18 9 19 6	2 4 6 8	5 2	2 4 6 8	9 2 9 5 9 8 10 2 10 5 10 8	2 4 6 8	27 0	2 4 6	49 1	2 4 6	77 3
6	18 G 18 4	4	4.9	4	9 8	4	27 3	4	50.9	4	70 4
8	18 4	U B	4 3	8	10 5	8	28 1	8	50 7	8	79 0
41	17 9	51	40	61	10 8	71	25 4	81	51 2	91	79 6
7 4	17.7	2	3 8	2 4 6	11 1	2	29 8	2	51 7	2 4 6	80 2
4	17 4	4	3 5	4	11 4	6	29 2	6	52 3	4	80 7
6 8	18 2 17 9 17 7 17 4 17 2 16 9	2 4 6 8	2 9	8	12 1	8	30 0	1 8	. 53 3	8	81 8
42	Ib 6	52	2 6	62	12 4	72	30 4	82	53 9	92	82 3
2	16 4	2	2 3	2	12 8	2	30 8	2	51 1	2	82 9
6	16 1	4	20	6	13 1	4 8	31 2	6	55 0	2 4 6	83 4
8	16 4 1 16 16 16 16 16 16 16 16 16 16 16 16 1	2 4 6 8	55445308529630852963 112063	8	13 8	8	20 6 7 3 7 3 1 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 4 6 8	50 0	Š	76 8 77 79 9 1 77 9 9 7 77 9 9 7 77 9 9 7 77 9 9 9 7 79 9 9 7 79 9 9 7 79 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
43	15 2	53	1 2		11 2	73	32 5	63	56 6	93	85 0
2 4	119	4 6	0.9	2 4 6 8	14 5	2 4 6 8	32 9	2 4 6 8	57 2	2	R5 6
6	14.7	4	0.6	4	15 7	4 6	33 3	4	59 3	4	86 L
8	14 4	, 8		8	15 6	8	31 2	8	59 3	6	87 2
^ ۱۵۱	13 9	54	0.2	64	15 9		31 6	84	59 4	91	87 7
1 2	13 6	2	0 5	2 4 6 8	16 3	2 4 6 8	35.1	2 4 6 8	59 9	2 4 6 8	89 2
4	13 3	4	0.8	*	17.0	4	35 B	4	61 0	4	89 8
6	13 [6 8	14	8	17 3	š	36 4	š	61 6	8	89.8
45	12 5	. 55	17		17 6	75	36 8		62 8	95	90 4
2	12 2	2	2 6	2	18 0	2	37 3	2	62 8	2	90 9
1 4	11 9	4	2 2	6	18 6	6	38 9	4	63.4	4	01 4
2 4 6 8	11 4	6 8	2.8	2 4 6 8	19 0	2 4 6 8	39 G	2 4 6	64 5	6	92 4
46	ii ii	56	3 1	66	19 4	76	39 1	86	64 5 65 1	96	93 0
2	10 8	2	3 4	. 2	19 8	2	39 5	2 4 6	65 7	2 4 6	93 5
1 4	10.5	6	37	6	20 5	6	40 4	6	1 100 3 1 file 8	4	91.5
2 4 6 8	11 1 10 8 10 5 10 5 10 5 10 5 10 5 10 5	8	4 3	2 4 6 8	20 8	2 4 6 8	40 9	8	G7 4	8	90 4 90 9 91 4 91 9 92 4 93 5 94 0 91 5 95 6 96 6 97 1
47	9 7	57	4.6	67	21 2	77	41 4	. 87	68 0	97	95 6
2 4	9 4	4 6	4.0	2 4 6	. 02 0	4 6 8	41.0	2	69 6	4 C	95 6 96 1 96 6 97 1 97 7 93 2 98 7
	8 8	6	5 5	6	22 3	6	42 Q	7 6	69 8	ć	97 1
8	. 5 6	. 8	. 58	8	22 7	, 8	43 2		70 5	1 8	97 7
48	8 3	58	61	68	23 0	! 78	43 7	88	71 1	98	97 7 93 2 99 7
1 4	8 0	2	6 4	4	23 4	[4	44 2	2	71 7	2	99 7
1 6	1 74	6 8	1 7 0	2 4 6 8	21 0	2 4 6 8	45 1	4 6	72.8	6	99 8
6	71	g	7 3	69 2	24 4	. 8	45 6	8	73 4	8	6
49	1 6 9	59	7.6		24 8		46 1	1.89	74 0	99	1 }
1 :	6.6	1 4	79		25 5	4 6	45 6	2	74 6	2	. [
6 8	60	6	86	4 .6	25 9	6	47 6		75 8	6	
	14 1 13 9 6 13 3 1 13 3 1 12 18 8 11 12 12 12 11 19 11 11 11 11 11 11 11 11 11 11 11	8	0 2 2 5 5 6 1 1 4 4 7 5 5 5 8 1 4 4 3 6 6 4 7 7 7 7 9 3 8 6 9 9 9		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8	47 6 49 1 48 6	3	68 6 69 3 69 9 70 5 71 1 72 2 72 8 73 4 74 0 74 6 75 8 76 3	8	1
50	5 4	60	9 2	70	25 6	80	48 6	90	768	100	
<u> </u>	·	-				8	-	F .	,	1 :	. 1

A Temperature 83° F.

	<u> </u>							
Dre on Stem A Per cent	Dive on Stem. A Per cent over Proof	Dove on Stem Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent	Divs on Stem	Per cent over Proof
2 733 2 2 73 2 2 73 2 2 73 2 2 2 73 2 2 2 73 2 2 73 2 2 73 2 2 73 2 73 73	10 0000 0000 0000 0000 0000 0000 0000	0 66 1 1 2 66 66 1 1 1 1 2 66 66	11 2 4 6 6 8 19 2 4 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 4 6 6 8 19 2 6 6 8 19 2 6 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8	52 9 6 4 2 0 8 2 0 8 6 4 2 0 8 6 2 0 8 6 2 0 8 6 2 0 0 8 6 2 0 0 8 6 2 0 0 8 6 2 0 0 8 6 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 4 6 8 22	39 5 2 2 3 3 6 3 6 5 3 6 4 2 0 7 3 7 7 4 1 0 7 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	30 2 4 6 8 31 2 4 6 8 8 32 2 4 6 6 8 8 32 2 4 6 6 8 8 32 2 4 6 6 8 8 32 2 4 6 6 8 8 32 2 4 6 6 8 8 8 40 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	11 9 7 4 2 0 8 6 3 1 9 6 4 2 9 7 4 4 2 6 7 7 4 2 6 7 7 5 2 6 7 7 5 2 7 7 5 2 7 7 5 2 7 7 5 2 7 7 5 2 7 7 5 2 7 7 5 2 7 7 5 2 7 7 5 2 7 7 5 2 7 7 5 2 7 7 5 2 7 7 5 2 7 7 5 2 7 7 5 2 7 7 5 2 7 7 5 2 7 7 7 7

Temperature 83° F.

Dies on Stem Per cent over Proof	Dee on Stem Per cent over Proof	Divs on Stem	Dive on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40 18 18 18 18 18 18 18 1	50	CO 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 2 4 6 8 2 4 4 6 8 7 2 4 6 8 7 7 2 4 6 9 7 7 2 4 6 9 8 2 4 6 8 8 8 4 6 8 8 8 4 6 8 8 8 4 6 8 8 8 4 6 8 8 8 4 6 8 8 8 8	27 T T T T T T T T T T T T T T T T T T T	80 21 4 6 8	70 2 70 9 71 4	90 2 4 6 8 8 8 8 8 9 2 4 6 8 8 8 9 2 4 6 8 8 8 9 9 2 4 6 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	77778402 h 4 9 5 0 5 1 6 2 7 2 8 3 8 4 9 4 0 5 0 6 1 6 1 1 0 2 7 2 7 2 8 3 8 3 8 6 8 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9

A Temperature 84° F.

Temperature 84° F.

Divs on Stem	Divs. on Stem	Per cent over Proof	Divs. on Stem	Per cent undor Proof	Divs. on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40 113 14 113 14 14 15 14 15 14 15 14 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	6 6 8 8 5 1 2 4 6 8 6 8 8 7 1 1 2 4 6 8 6 8 7 1 2 4 6 8 6 8 7 1 2 4 6 8 6 8 7 1 2 4 6 8 6 8 7 1 2 4 6	2792581447036925 373644470366555665	2 25 4 26 6 26 8 -7	902592682593682593682593604715882693704	4 4 6 4 8 4	33 1 33 0 33 0 33 4 40 2 40 7 41 2 42 2 41 0 41 0 41 0 41 0 41 0 41 0 41 0 41 0	84 24 6 8 8 2 4 6 8 8 8 2 4 6 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	57 9 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	7 2 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 6 3 1

93

Temperature 85° F.

Section Sect											
4 74 8 4 83 3 4 60 8 2 4 119 4 41 2 4 30 0 6 20 9 8 6 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Das on Stem		Per cent over Proof	Divs on Stem	Per cent.	Dive on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Dive on Slem	Per cent over Proof
	4 774 4 774 4 774 4 774 4 774 4 774 4 774 4 774 4 774 4 774 4 774 7	7	67 9 67 7 5 67 7	1 2 4 6 8 2 6 6 8 2 6 6 6 6 6 6 6 6 6 6 6 6 6	09 9 8 6 4 1 1 0 0 9 6 4 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 2 4 4 6 6 8 13 2 4 4 6 6 6 6 8 18 2 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	107420864208642086442086442086442077424444444444444444444444444444444	21 468 21	40 6 4 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 4 4 6 8 33 2 4 4 6 6 8 33 2 2 4 4 6 6 8 33 2 2 4 6 6 8 33 2 2 4 6 6 8 3 2 2 4 6 6 8 8 3 9 2 2 4 6 6 8 8 3 9 2 4 6 6 8 8 8 8 9 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8	4009591006449771008690859086908690869086908690869089

Temperature 85° F.

	_		==	_		-					
Divs on Stem	Per cent over Proof	Divs on Stem		Divs on Sten	Per cent under Proof	Diss on Stem	Per cent under Proof	Dive on Stein	72 67	Divs on Stem	Per cent under Proof
l á l	£ 6	Ã	50	Ā	2,2	ã	ಷ್ ≃	Ã	ت <u>ت</u>	Ē	2 =
40 2 4 6 8 41 2 4 6 8	18 2 18 0 17 7 17 5 17 2 16 0 16 7 16 4 16 1 15 8	50 2 4 6 8 51 2 4 6 8	4 3 4 1 3 9 3 6 3 3 3 0 2 7	60 2 4 6 8 61 2 4 6 8	10 3 10 6 10 0 7 11 6 11 9 12 2 12 9 13 2 2 13 9 14 2 14 6 9 15 5 6 16 0 16 6 0	70 2 4 6 9 79 79	27 8 1 7 8 2 2 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	80 2 4 6 8 81 2 4 6 8 82 82	49 8 50 3 50 8 51 8 52 8 63 3 53 8 54 4 54 9 55 4	90 2 4 8 91 92 92	77 6 78 0 78 6 79 1 79 7 80 2
43 43 43 44 6 8	15 3 15 0 14 7 14 5 14 2 13 0 13 7 13 4 13 1 12 8	53 53 4 6 8 54	0 7 0 4 0 1 0 4 0 7 1 9 1 3	63 63 63 64	13 9 14 2 14 6 14 9 15 3 15 6 16 0 16 3 16 6	73 2 4 6 74	32 4 32 9 33 3 34 0 34 5 34 5 35 4 37 9	2 4 6 8 8 2 4 6 8	56 0 56 6 57 1 57 6 59 2 59 8 59 8 59 8	93 93 2 4 6 8	8# 0 8# 6 85 1 85 2 86 2 86 7 87 2 87 8
45	12 5 12 3 12 0 11 7 11 4 10 8	2 4 6 8 55 2 4 6 8	1 6 1 9 2 5 2 8 3 1 3 3	65 24 6	17 4 17 7 18 0 15 4 18 7 19 1 19 4	2 4 6 8 73 2 4	36 3 36 7 37 1 37 6 39 0 39 5 39 3	2 4 6 8 8 9 9	60 9 61 3 62 6 62 6 63 2 63 8 64 3 64 9 65 5	2 4 6 8 95 2 4	88 8 8 8 8 8 9 4 8 9 9 4 9 1 0 9 1 5 9 2 5 9 3 0
46 2 4 0 8	10 3 10 0 9 7 9 4 0 2	56 2 4 0 8	39 42 45 48	66 2 4 6	20 2 20 5 20 9 21 2 21 6	76 2 4 6	39 8 40 3 40 7 41 2 41 6	86 2 4 6 8	64 3 64 9 63 5 63 1 66 6 67 2 67 8 69 4	06 2 4 6 8	93 6 94 6
47 2 4 6 8	8 6 8 3 8 0 7 7 7 5	57 2 4 6 9	5 7 6 3 6 8 6 9	67 2 4 6 8	22 3 22 7 23 0 23 4 23 8	77 2 4 6 8	42 6 43 0 43 5 43 9 44 6	87 2 4 6 8	69 0 69 5 70 1 70 7 71 3	97 2 4 6 9	96 2 96 7 97 2 97 7 98 3
48 2 4 6 40 2 40 8	663 663 655 552 546	59 4 6 50 2 4 8	758. 81470 9470	69 2 4 6 8 8 69 2 4 6 8	17 0 4 17 17 18 0 4 17 17 18 0 4 17 17 18 0 4 17 17 18 0 4 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	73 2 4 5 8 79 1	41 9 45 4 45 8 46 3 47 2 47 7 49 2 49 3 49 8	88 2 4 6 8 8 8 9 2 4 6 8	70 7 71 3 71 9 72 5 73 1 73 7 74 8 75 9 76 5	99 2 4 6 8 99 2 4 6	98 8 99 3 99 8
50°	1 0	60	in 3	70 "	27 8	80	19 8	90	77 0 77 6	100 3	- 1

Temperature 86° F.

Section Sect		==:					=	==	==	==	_	
2	Divs. on Stern	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Drys on Stem	Per cent over Proof	Divs. on Stem	Per cent over Proof	Days on Stem	Per cent over Proof
8 18 G 8 G1 1 8 52 2 8 41 6 8 50 4 8 18 2 1	2 1 6 8 2 4 6 8 2	69 5 69 2 69 1 69 0 68 8	11 2 4 6 6 8 10 2 2 4 6 6 8 10 2 2 4 6 6 8 10 2 2 4 6 6 10 2 4 6 6 10 2 2 4 6 6 10 2 2 4 6 6 6 10 2 4 6 6 6 10 2 4 6 6 6 6 10 2 4 6 6 6 6 10 2 4 6 6 6 6 6 10 2 4 6 6 6 6 6 10 2 4 6 6 6 6 6 10 2 4 6 6 6 6 6 10 2 4 6 6 6 6 6 10 2 4 6 6 6 6 6 10 2 4 6 6 6 6 6 10 2 4 6 6 6 6 6 10 2 4 6 6 6 6 6 10 2 4 6 6 6 6 6 10 2 4 6 6 6 6 10 2 4 6 6 6 6 10 2 4 6 6 6 6 10 2 4 6 6 6 6 10 2 4 6 6 6 6 10 2 4 6 6 6 6 10 2 4 6 6 6 6 10 2 4 6 6 6 6 10 2 4 6 6 6 6 10 2 4 6 6 6 6 10 2 4 6 6 6 10 2 10 2 10 2 10 2 10 2 10 2 10	0 8 2 2 6 8 8 1 9 8 8 1 9 8 8 8 1 9 8 8 1 9 8 8 1 9 8 8 1 9 8 8 1 9 8 8 1 9 8 8 1 9 8 8 1 9 8 1	2 4 6 8 8 2 4 4 5 8 8 2 4 5 8 8 2 4 5 8 8 2 4 5 8 8 2 4 5 8 8 2 4 5 8 8 2 4 5 8 8 2 4 5 8 8 2 4 5 8 8 2 4 5 8 8 2 4 5 8 8 2 4 5 8 8 2 4 5 8 8 2 4 5 8 8 2 4 5 8 8 2 4 5 8 8 2 4 5 8 8 2 6 8 2 6 8 2 6 8 2 6 8 2 6 8 2 6 8 2 6 8 2 6 8 2 6 8 2 6 8 2 6 8 2 6 8 2 6 8 2 6 8 2 6 8 2 6 8 2 6	00 7 6 4 2 1 9 7 5 4 2 9 0 8 7 7 3 1 1 0 7 6 4 4 2 2 6 3 3 4 3 1 0 7 6 4 4 2 2 6 3 3 4 3 1 0 7 6 4 4 2 2 6 3 3 4 3 1 0 7 6 4 4 2 2 6 3 3 4 3 1 0 7 6 4	2 4 6 8 12 2 4 6 6 8 12 2 4 6 6 8 15 2 4 6 6 8 16 2 4 6 6 8 17 2 2 4 6 6 8 17 2 2 4 6 6 8 10 2 10 2 10 2 10 2 10 2 10 2 10 2 10	50 0 49 8 49 6 49 4 49 2 49 0 48 8 48 6 48 8 47 8 47 8 47 1 47 2	21 2 4 6 8 22 2 4 6 6 8 24 2 4 6 6 8 24 2 4 6 6 8 24 2 4 6 6 8 2 2 6 8 2 4 6 6 8 2 2 6 8 2	40 5 3 0 8 6 4 2 0 7 5 2 0 8 5 3 7 5 3 1 1 9 7 3 2 7 5 3 2 7 5 3 2 7 5 3 2 7 5 3 2 7 5 3 2 7 5 3 2 7 5 3 2 7 5 3 2 7 5 3 2 7 5 3 2 7 5 3 2 7 5 3 2 7 5 3 2 7 5 3 2 7 5 3 2 7 5 3 2 7 5 3 2 7 5 2 7 5 3 2 7 5 2 7 5 3 2	2 4 6 8 2 1 6 8 33 2 4 6 8 33 2 4 6 8 33 2 4 6 8 33 2 4 6 8 33 2 4 6 8 33 2 4 6 8 8 8 33 2 4 6 8 8 8 33 2 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	30 0 7 5 3 0 0 7 5 2 0

Temperature 86° F.

2 Fm. D

A Temperature 87° F.

Dive on Stem	Dies on Stem A Per cent over Proof	Divs on Stem	Dire on Stem Fer cent.	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0 748 8 719 1 8 8 719 1 6 711 8 8 719 8 71	10 68 2 2 68 1 4 68 0 6 67 9 8 67 7 11 67 6 2 67 5 4 67 3 6 67 2 8 67 1 12 66 9	0 7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10 2 51 5 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5	22 2 4 6 8 23 23	33 3 33 1 32 9 32 6 32 4 32 1 31 9 31 7 31 4 31 2 30 9	30 2 4 4 6 8 33 2 2 4 6 6 8 33 2 2 4 6 6 8 33 2 2 4 6 6 8 33 2 2 4 6 6 8 33 2 2 4 6 6 8 33 2 2 4 6 6 8 3 6 2 2 4 6 6 8 6 2 2 4 6 6 6 8 6 2 2 4 6 6 6 6 2 2 2 4 6 6 6 6 2 2 2 2	19 8 19 6 19 3 18 1

Temperature 87° F.

		,				,		7		7	7
Divi on Stem		Drys on Stem		Dita on Stem	-	Dive on Stem	1 -	Dive on Stem	•	Dive on Stem	be cent
ž	8	20	. 6) ŏ	. Ê	ě.	٤. ٤	ž	ء. ڪ	20	1 . £ '
8	Ę.	8	Ę	1 5	EE	, 5	1 2 3	1 2	٠ ۽	5	5 5
E	Per cent over Proof,	ì <u>e</u>	Per cent over Proof	1 5	Per cent under Preof	2	Per cent	Ě	Per cent. under Proof	2	For cent
Ā	20	<u> </u>]_=	~ ~	_==		Į — —		<u>, - A</u>	15-
40	17 6	50	3 6	60	11 0	70	28 5	80	50 6	90	78 0
.4 6 8	17 3	2 4 6 8	3 4 3 1 2 2 3 0 2 1 1 1 1 0 6 0 3	2 4 6	11 3	2 4 6	28 5 29 9 29 2 20 6	4	50 6 51 1 51 6 52 0 52 6 53 0 53 6	, <u>4</u> 6	78 5
6	16 7	6	2.8	6	12 6	6	29 6	. 6	52 0	6	79 5
41	16 5	51	26	61	12 3	71 8	39 0	81	52 6	91	1 00 1
41 2 4 6 8	16 2	1 2	20		12 9		30 8	2	53 6	J" 2	81 2
4	15.71	2 4 6 8	17	4 6 8	13 3	4	31 2	- 2 4 6	54 [2 4 6	81 7
6	15 4	5	1 4	6	13 6	6	31.6	8	55 1	8	82 3
42	14 9		0.8	62	14 3	72	32 4	82	55 7	92	83 3
2.	11 6	2	0 3	2	14.7	2	32 9	2	56 2	2	83 9
2 4 6	14 6	52 4 6 8	03	4 6 8	15 4	2 4 6 8	33 6	4 6 8	57 3	4 6 8	85 0
8	13 8	8	03	. 8	15 7	. 8	34 0	83	57 9	. 8	85 5
43	13 5	53	0.6	63	16 1	73 ,	31.5	83	59 G	93	86 6
2 4 6 8	13 0	4 6 8	ĭil	4 6 8	16 8	2 4 6 8	35 4	2 4 6	59 4	2 4 6 8	87 1
6	12 7	6	14	6	17 1	6	35 A	8	60 0	6	87 6
44	12 4	54 8	17 20 23	Ct .	17.8	74	36 3 36 7	84 3	61 0	94	88 7
2	11 8	2	23	2	18 1		37 I	2	61 6	2	89 2
1 6	11 6	4	26	6	18 5	4	37.6	6	62.2	4	NO 8
2 4 5 8	110	5 4 6 8	3 2	8	1 01	4 6 8	38 4	2 4 6 8	63 3	9 6 8	90 8
45	10 7	55	3 5	62	19 5	75	39 8	85	63 8	95	614
9 4 6 9	10 1	2 4 6 8	3 5 3 R 4 0 4 3	2 4 6	20 3	2 4 6 8	37 7	2 4 6 8	64 9	2 4 6 8	92 4
6	9 9	6	4 3	6	20 6	6	40 1	6	65 5	6	92 9
	9.6		4.6	GG B	21 0		40 6	86	66.7	J6 S	93 4
	90	2 4 6	5 2		21 7	2 4 6	99 0 4 8 2 6 0 6 9 7 1 8 0 0 4 8 2 7 1 8 0 1 8 2 1 8 2 2 6 0 6 8 2 1 1 1 5 0 2 1 4 9 2 8 2 1 1 1 1 1 1 2 1 2 1 1 1 1 1 1 1 1	2	67 2	2	78 0 5 0 5 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1
4 6 9	8.7	4	55	67	22 0	4	42 0	2 4 6	61.8	2 4 6 8	93 0
9	82	8	61	8	22 7		42 4 42 9 1	8	60 0	8	96 0
47	7.9	57	64	67	5 i	77	43 3 1	97	69 6	97	96 6
2 4 6 8	7.6	2 4 6 8	7.0	1	23 4	4 6 8	43 8	2 1 6 8,	10 2	2 4 6 8	97 1
ě.	7 6	6	73	6	21 1	Ĝ	41 7	6	71 4	6	99 1
	68	59	7 6	68	24 5	78	45 2	8,	72 0	. 8	66.3
" 2	6 2	2	82	٠ ·	25 2	18 2	46 2 .	o3 2	72 6	25 2	99 7
4	5 9	4 6	8.5	4	25 6	- 4	46 6	4	73 7	4	- ' ,[
49 4 6 8	5 5	8	88	4 6 8	25 9	2 4 6 8	47 1 7	2 4 6 8	74 2 7	2 4 6 8	- 3
49 (51	£9.	8 5 8 8 9 1 9 4 9 7	63	26 6	79	48 0	83 I	75 3	99	- 41
- :	18	2	97	2	27 0		48 6 49 1	2	75 8		- !{
2 4 6	4 2	59. 4 6	10 1	6	27 7	4 6 8	49 6 .	4 6	77 0	4 6	- 11
	1707075200741963082074186307741063075296308532963085296529652965296529652965296529652965296		000111111111111111111111111111111111111		11 11 6 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1		50 1	8 [5016060616172839404050629384055666777777777777777777777777777777777	6 8	- 11
50	36	60	110	70	25 5	£0 ·	50 6	90	78 0 1	100	- {I
					<u> </u>						

	74 6 10 68 1 0 60 4 10 51 4 20 40 7 20				_							_~.	
74 6 10 68 1 0 68 1 0 60 4 10 51 4 20 40 7 20 22 5 2 74 8 2 67 9 2 60 3 2 61 2 2 40 6 6 2 2 24 8 6 6 2 2 24 8 6 6 2 2 24 8 6 6 2 2 24 8 6 6 2 2 24 8 6 6 2 2 24 8 6 6 2 2 24 8 6 6 2 2 24 8 6 6 2 2 24 8 6 6 2 2 24 8 6 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 0 74 6 10 68 1 0 68 1 0 69 1 10 61 4 20 40 7 20 2 61 4 10 61 4 20 40 7 20 2 61 4 10 61 4 20 40 7 20 2 61 4 10 61 4 20 40 7 20 2 61 4 2 2 41 2 2 41 2 2 41 2 2 41 2 2 41 2 2 41 2 2 41 2 2 41 2 2 41 2 2 41 2 2 41 2 2 41 2 2 41 2 2 41 2 2 41 2 2 41	Per cent over Proof	Divs on Stem	Per cent over Iroof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cont	Dive on Stem	Per tent over Proof	Days on Stem	Per cent orer Proof	Divs on Stem
4 68 4 4 69 9 4 52 0 4 11 4 30 2 4 18 0 6 69 3 6 60 7 6 51 8 6 141 2 6 30 0 6 11 7 7 8 168 2 8 60 6 8 51 6 8 140 9 8 29 7 8 117 5	3 726 13 661 3 3 378 13 484 23 2137 43 37 2 13 4 4 4 5 3 4 4 5 3 4 5 4 5 4 5 4 5 4 5	29 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 4 6 8 31 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	39 2 39 0 38 5 38 5 38 5 37 9 37 4 37 1 36 9 36 5 36 3	21 468 2468 2468 2468 2468 2468 2468 2468	515151555555559944949494949444444444444	24 66 8 112 24 66 8 8 13 2 4 6 6 8 8 16 2 4 6 6 8 8 17 2 4 6 6 8 8 17 2 4 6 6 8 8 17 2 4 6 6 8 8 18 2 4 6 6 8 8 18 2 4 6 6 8 8 18 2 4 6 6 8 8 18 2 4 6 6 8 8 18 2 4 6 6 8 8 18 2 4 6 6 8 8 18 2 8 6 8 8 18 2 8 8 18 2 8 8 18 2 8 8 8 18 2 8 8 8 18 2 8 8 8 18 2 8 8 8 8	60 4 6 6 6 7 6 6 6 7 6 7 7 8 6 6 6 7 7 8 6 6 7 7 8 7 8	1 4 6 8 2 1 4 6 8 2 1 4 6 8 2 1 4 6 8 2 4 6 8 2 4 6 8 2 1 4 6 8 2 4 6 8 2 4 6 8 2 1 4	19875754310007653219886532000764420975442197642119764	2 4 6 6 8 11 2 4 6 6 8 8 14 6 6 8 8 15 2 4 4 6 6 8 8 16 2 2 4 4 6 6 6 8 8 16 2 2 4 4 6 6 6 8 18 2 4 4 6 6 6 8 18 2 4 4 6 6 6 8 18 2 4 4 6 6 6 8 19 6 19	68 9 68 8	0 2 4 6 6 8 1 1 2 4 6 6 8 8 2 4 6 6 8 8 5 5 2 4 6 6 8 8 6 2 4 6 6 8 8 6 2 4 6 6 8 8 6 2 4 6 6 6 8 6 2 4 6 6 6 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6

Temperature 88° F.

A Temperature 89° F.

Temperature 89° F.

B
31 7 90 78 4 100

Temperature 90° F.

Divs on Stem	Per co	Per ent	Dive on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent
0 2408 2408 2408 2408 2408 2408 2408 240	74 2 1 1 2 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 1 2 4 6 8 2	39 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	10 2 4 6 6 11 2 2 4 6 6 6 1 1 5 1 1 2 4 6 6 6 6 1 1 5 1 1 2 4 6 6 6 6 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1	555 642 0 866 4 2 0 8 6 0 0 8 0 0 8 0 0 8 0 0 0 0 0 0 0 0	20 2 4 6 8 21 2 4 6 8 22 2 4 6 8 25 2 4 6 8 27 2 4 6 8 27 2 4 6 8 27 2 4 6 8 27 2 4 6 8 27 2 4 6 8 27 2 5 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8	1975331863197710 339338831977710 339338831977710 33938831977710 33938831977710 33938831977710 33938831977710 33938831977710 33938831977710 33938831977710 33938831977710 33938831977710 33938831977710	30 2 4 6 6 8 3 2 4 6 6 8 8 2 4 6 6 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2	885719657197420742074296818631864198419752075877580758188888887758075

Temperature 90°-F.

	9 Per cent. 9 over Proof	S Dive on Stem	Per cent.	60	Per cent,	Or Dive on Stem	B For cent	S Divs on Stem	Per cent	Divs on Stem	Der oent.
41 24 68 42 24	16 5 2 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	51 51 6 8 52 2	0 9 0 6 0 3	61 61 8	12:581581582603060371148815926037044704714826 11:13:13:141458259260371148815926037044704714826	70 2 4 6 71 2 4 6 72 2 4	99 0 0 4 8 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	81 2 4 6 8	54 8 55 3 55 8	91 2 4 6 8 92 2	78 79 8 9 3 6 6 1 6 6 2 7 3 8 4 9 6 6 2 7 3 8 8 8 8 6 4 6 6 2 7 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
43 2 4 6 8 41 2 4 6 8	12 9 12 7 12 4 12 1 11 8 11 5 10 9 10 7	2 4 6 8 53 2 4 8 8 54 8	05814792581470369258147036925814703692581470369258147036925814712222333744445558667777888891001111112	62 2 4 6 8 8 8 64 2 4 6	16 6 16 9 17 3 17 6 18 0 18 3 19 0 19 3	73 2 4 6 8 74 2 4 G 8	35 0 35 4 35 8 36 2 36 6 37 1 37 5 38 0	2 4 6 8 83 2 4 6 8 84 2 4 6 8	58 5 59 0 59 6 60 1 60 7 61 2 61 8 62 3 62 9	93 2 4 6 8 94 5 4 6 8	85 6 86 2 86 7 87 3 87 8 88 4 88 9 90 0 90 0
45 45 46 8	98 95 93 90 87 84	53 2 4 6 8	43 46 49 52 55 51	63 2 4 6 8	20 4 20 8 21 1 21 5 21 8 22 2 22 5	75 2 4 6 8	39 7 40 2 40 6 41 1 41 5 42 4	83 2 4 6 8	64 5 65 6 65 6 66 2 66 8 67 3	95 2 4 6 8	91 6 92 1 92 6 93 1 93 7 94 2
4 6 8 47 4 6 8	78 76 73 70 64 61	2 4 6 8 57 2 4	64 67 70 76 79 82	2 4 6 8	22 9 23 2 23 6 23 9 24 3 24 6 25 0	2 4 6 8	42 9 43 3 43 8 44 1 44 6 45 1 45 6	2 4 6 8 87	68 3 69 1 69 6 70 2 70 7 71 3	2 4 6 8 97 2 4 6 8	95 2 95 7 96 3 96 8 97 3 97 8 98 3
43 43 4 6 8	5 6 5 3 5 0 4 7 4 5 4 3	58 2 4 6 59	8 5 8 8 9 1 9 4 9 7 10 0 10 3 10 6	2 4 6 8 69 69	25 3 25 7 26 0 26 4 26 7 27 0 27 4 27 7	78 24 6 8 78 24 6 8	46 0 46 5 47 0 47 5 48 0 48 5 49 0	83 4 6 8	71 8 72 4 72 9 73 5 74 0 74 5 75 1 75 6	98 98 4 6 8	99 3 99 8
4 6 8 50	3 7 3 4 3 2 2 9 2 6	2 4 6 8	10 9 11 2 11 5 11 8 12 1	2 4 6 8 70	29 4 29 4 29 8 29 2 29 6	6 8 80	49 0 49 5 50 0 50 5 50 9 51 4	2 4 6 8 90	76 7 77 2 77 7 78 3 78 7	2 4 6 8	

A Temperature 91° F.

	<u> </u>	_									
<u></u>	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent	Dive on Stem	Per cent over Proof.	Dive on Stem	Per cent
4 2 4 6 8 5 2 4	743 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	10 2 4 6 8 11 2 4 6 8 12 2 4 6 6 8 14 2 4 6 6 8 17 2 4 6 6 8 17 2 4 6 6 8 17 2 4 6 6 8 18 2 4 6 6 8 19 2 4 6 6	66 3 66 1 65 0 65 8 65 5 65 5 65 5 65 5 65 7 64 7 64 6 64 7 64 6 64 1 64 0	68 21468 21468 21468 21468 21468 21468 21468 21468 21468 21468	99 5 3 1 9 7 5 3 1 9 7 5 3 1 9 7 5 3 1 9 9 7 5 3 1 9 9 7 5 3 1 9 7	11 2 4 6 8 8 13 2 4 6 6 8 8 8 15 2 4 6 6 8 8 8 17 2 4 6 6 6 8 8 17 2 4 6 6 6 6 8 8 17 2 4 6 6 6 6 6 8 8 17 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	50 5 3 1 9 7 5 3	20 21 408	99 6 4 4 2 9 7 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5	2 4	88 0 7 7 5 7 0 8 5 3 1 9 6 3 1 9 6 3 1 2 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

Temperature 91° F.

Dirs on Stem	over Proof Dive on Stem	Per cent over Proof.	Divs on Stem	Per cent. under Proof	Day on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent.
40 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4 7 . 51	4 5 5 5 8 1 4 7 7 7 7 8 8 8 8 9 9 4 6 0 0 3 6 9 2 7 7 7 8 8 8 8 9 9 10 10 10 10 11 11 12 2	60 24 68 24	28 5 28 9 20 2 29 6	70 24 68 24	322 48 26 33 33 41 5 0 6 2 3 3 2 3 3 3 4 1 5 0 6 2 3 3 2 3 3 3 4 1 5 0 6 2 3 3 3 3 4 1 5 0 6 2 3 3 3 3 4 1 5 0 6 2 3 3 3 3 4 0 7 5 0	80 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 6 8 8 2 4 6 6 8 8 2 4 6 6 8 8 5 2 2 4 6 6 8 8 5 2 2 4 6 6 8 8 5 2 2 4 6 6 8 8 5 2 2 4 6 6 8 8 5 2 2 4 6 6 8 8 5 2 2 4 6 6 8 8 5 2 2 4 6 6 8 8 5 2 2 4 6 6 8 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8 7 2 2 4 6 6 8	53 6 6 1 5 6 1 6 5 5 1 6 5 5 1 6 5 6 1 7 7 7 6 8 2 8 6 9 4 9 6 7 7 7 6 8 2 8 6 9 4 9 6 7 7 7 1 6 8 6 9 4 9 7 7 7 1 6 8 6 9 4 9 7 7 7 1 8 6 9 9 9 7 7 7 1 8 6 9 9 9 7 7 7 1 8 6 9 9 9 9 7 7 7 1 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	90 2 4 6 8 91 2 4 6 8 8 93 2 4 6 8 8 95 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 95 2 4 6 8 95 2 4 6 8 9 2 6 8 9 2 6 8 9 2 6 8 9 2 6 8 9 2 6 8 9 2 6 8 9 2 6 8 9	78 9 4 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0

A Temperature 92° F.

=								
Dres on Stem	Divs on Stem	Divs on Stem Per cent	Dave on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Days on Stem	Per cent over Proof
0 77773 4 77774 4 7774 4 7	2 665 2 665	0.9209.0000.0000.0000.0000.0000.0000.00	10 2 4 6 6 6 13 2 4 6 6 6 6 15 2 4 6 6 6 6 15 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	50 0 8 6 4 4 2 0 8 6 4 2 1 0 8 6 4 2 2 0 8 6 4 4 2 0 7 5 7 5 1 9 7 5 5 2 9 7 5 7 5 8 6 6 4 1 9 7 7 7 4 7 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7	23 24 68 22 46 68 22 4 68 22 4 68 22 24 68 22 24 68 22 24 68 22 24 68 22 22 24 68 22 22 24 68 22 22 24 68 22 22 24 68 22 22 24 68 22 22 24 68 22 22 24 68 22 22 24 68 22 22 24 68 22 22 24 68 22 22 24 68 24 68 22 24 24 24 24 24 24 24 24 24 24 24 24	99 5 7 1 9 9 6 4 1 1 9 7 7 5 2 0 8 5 3 7 7 5 3 7 7 7 5 8 5 3 7 7 7 5 8 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7	30 2 4 6 8 31 2 4 6 8 32 2 4 6 8 32 2 4 6 8 32 2 4 6 8 32 2 4 6 6 8 32 2 4 6 6 8 32 2 4 6 6 8 32 2 4 6 6 8 32 2 4 6 6 8 32 2 4 6 6 8 8 32 2 4 6 6 8 8 40 8 8 8 40 8 8 8 8 8 8 8 8 8 8 8 8	2777120852077520815318641964196419664196641966318663186631966419663197764196631866318663196419664196631866318663186631966319777641966318663186631866318663186631866318663

Temperature 92° F.

Heart Hear
10 170
109

A Temperature 93° F.

	=	=								
Divs on Stem A Per cent over Proof	Dive on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on 5tem	Per cent over Proof	Dire on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0 73 4 73 6 73 1 8 72 2 73 6 73 8 73 1 8 73 2 73 6 73 8 73 1 8 73 2 73 1 73 1 73 1 73 1 73 1 73 1 73 1	0 8 112 2 1 4 1 6 1 7 9	T1 9 6 6 8 8 7 1 9 7 6 6 6 8 8 1 1 9 7 6 6 6 8 8 7 1 9 7 8 6 6 8 8 7 1 9 7 8 6 6 8 8 7 1 9 7 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 2468 2468 2468 2468 2468 2468 2468 2169 20 20 20 20 20 20 20 20 20 20 20 20 20	56 3 56 1 55 9 55 7 55 5	12 2 4 6 8 13 2 4 6 8 15 2 4	19 R G 4 4 2 2 0 8 G 5 3 1 1 4 4 4 4 2 2 0 8 G 5 3 1 1 4 4 4 4 2 2 0 8 G 5 3 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	20 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	33 5 3 38 1 1 37 8 37 8 37 8 37 8 37 8 37 8	35 24 68 36 24 68 37 24 68 37 24 68 37 24 68	27 8 3 7 4 1 2 2 2 2 2 3 7 4 1 2 2 2 2 2 2 3 7 4 1 2 2 2 2 2 2 3 7 4 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

Temperature 93° F.

r==				Tem	pera	ture	93°	F.			
Dive on Stem	Per cent,		Per cent over Proof	Divs on Stem	Per cent, under Proof	Divs on Stem	Per cent under Proof	Divs on Mem	Per cent under Proof	Dive on Stem	Per cent under Proof
10 2 4 4 6 8 8 42 2 4 4 6 8 8 4 2 2 4 4 6 8 8 4 2 2 4 4 6 8 8 4 7 2 4 6 8 8 4 7 2 4 6 8 8 4 7 2 4 6 8 8 4 7 2 4 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	11 0 10 8 10 5 10 2 9 6 9 4 9 1 8 8	50 2 4 6 8 5 2 4 6 8 5 3 2 4 6 8 6 9 9 100 101 101 101 101 101 101 101 101	447 447 556 557 568 571 470 568 571 470 568 571 671 671 671 671 671 671 671 671 671 6	60 2 4 6 8 2 4	2 3 2 7 3 0 3 3 3 7 4 0 4 4 4 7 5 0	70 24 68 24	41 8 42 2 42 7 63 1	60 24 68 24 68 24 68 24 68 24 68 77777777777777777777777777777777777	56 7 37 2 57 8 58 3 58 9 59 4 0 0 0 5	7 2 4 6 8 9 2 4 6 8	790 5 5 6 1 7 2 7 7 8 8 8 8 7 7 8 8 8 8 8 7 8 8 8 8

Temperature 94° F.

A

Divs on Stem A Per cent uver Proof	Divs on Stem A Per cent	Divs on Stem	Divs on Stem	Per cent.	Divt. on Stem	Per cent.	Divs on Stem.	Per cent. over Proof
0 2 733 0 0 7 73 0 0 73 0 0 7 73 0 0 73	10	0 140 55 56 57 57 57 56 56 56 57 57 57 57 57 57 57 57 57 57 57 57 57	10 10 2 4 6 11 12 2 4 6 6 8 8 14 2 4 6 6 8 8 15 2 2 4 6 6 8 16 2 2 4 6 6 8 16 2 17 2 4 6 6 8 8 16 2 2 6 6 8 16 2 17 2 4 6 6 8 8 16 2 2 6 6 8 16 2 17 2 4 6 6 8 8 16 2 2 6 6 8 16 2 17 2 6 6 8 16 2 6 6 6 8 16 2 6 6 6 8 16 2 6 6 8 1	48 5 3 1 0 7 1 3 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 2 4 6 9 2 4 6 9 2 4 6 8 2 4	31 9 31 7 31 5 31 3 31 3 30 9 30 7 30 3 30 1	30 2 4 6 8 2 2 4 6 8 3 2 4 6 8 3 2 4 6 8 8 2 4 6 8 2 6 8 8 2 6 8 2 6 8 2 6 8 8 2 6 8 2 6 8 2 6 8 2 6 8 2 6 8 2 6 8 2	27 5 2 5 2 6 2 6 2 2 6 2 2 6 2 2 6 2 2 6 2 2 6 2 2 6 2 2 6 2 2 6 2 2 6 2 2 6 2 2 6 2 2 6 2 2 6 2 2 6 2 2 6 2 2 6 2 2 6 2 6 2 2 6 2

Temperature 94° F.

Fin. D				161	uperat	ure	94°	F.			
1	-		- 1	-			_	Dire on Stem	Per cent under Proof	Dive on Men	Per cent under Proof
	41 2 4 6 8 42 2 4 6 6 8 42 2 4 6 6 8 47 2 4 6 6 8 47 2 4 6 6 8 47 2 4 6 6 8 47 2 4 6 6 8 47 2 4 6 6 8 47 2 4 6 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8	10 2 0 1 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 4 6	12 60 0 3 6 1 2 0 0 8 6 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	13 7 1 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	70 2 4 6 8 2 4 6 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	31 2 6 2 3 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8	80 2 4 6 8 2 4 6 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	53 8 3 3 7 5 8 3 4 5 5 5 6 6 7 7 8 3 4 5 5 6 6 7 7 8 5 8 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		780831839405061627388394949495050513

A Temperature 95° F.

Drys on Stem A Per cent	Diva on Stem	Divs on Stem Per cent over Proof	Diva. on Stem	over Proof Divs. on Stem	Per cent over Proof Divs. on Stem	Per cont over Proof
7 7 3 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 58 4 4 58 2 6 58 1	2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 4 8 8 0 8 6 8 8 4 21 8 2 2 8 0 4 1 8 0 8 6 8	37 4 31 37 1 36 9 36 7 36 5 36 3	23 5 23 2 7 3 22 5 3 22 5 3 22 5 3 22 5 3 22 5 3 22 7 4 21 7 5 21 4 20 9 2 20 7 19 4 19 2 18 9 18 9 18 9 18 9 18 9 18 9 18 9 18 9

Temperature 95° F.

			===	==	===	7				7	
Dirs on Stem	Per cent.	Divs. on Stem.	Per cent.	Divs on Stem	Per cent under Proof	Divs on Stem	Pet cent.	Divs on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof,
40 2 4 6 8 8 41 2 4 6 8 8 42 2 4 6 8 8 45 2 4 6 8 8 45 2 4 6 8 8 45 2 4 6 8 8 45 2 4 6 8 8 6 8 45 2 6 8 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8	14413394-2653074-1852074-1853074-1953085296311953-1853074-1852074-1853074-19530852963119531853074-1853074-19530852963119531853074-1953085296319531853074-1953085296319531853074-1953085296308552963119531853074-19530852963085296444453333886757756666655554444333338867577566666655554444333338867577566666666666665554444333338867666666666666666666666666666	SI 2468 2468 2468 2468 2468 2468 2468 2468	000 00011122223334444556666777778889999000011111223334444556666777778889999000011111121213334	61 62 2468 2468 2468 2468 2468 2468 2468 2	14 1 5 9 2 5 6 9 2 5 6 9 2 7 1 1 5 8 2 5 8 2 5 8 2 5 8 2 5 9	71 24 68 24	\$133223333335646482604837260493833336446414452433344464444444444444444444444444444	80 01468 2468 2469 2468 2468 2468 2468 2468 3146	54 7 1 6 1 6 1 7 2 7 2 7 3 8 3 0 4 8 5 0 5 1 6 2 7 3 8 4 9 5 8 6 1 7 2 7 3 8 5 9 6 6 7 7 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7	93 2 4 6 8	80 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1

115

. .

Temperature 96° F

<u></u>			=								
1			l.	_							
Dive en Stein		Dive on Stein A		Drs on Stem		2		8		3	
ã.	Per rept over Proof	Ť	Per cent over Proof	7	Per cent over Proof	Divs on Stem	er cent over Proof	Diva en Stem	er cent over Proof	Doss on Stew	70
. =<	걸음	₽.≪	##	e o	늄츄	É	ŧĚ	-	ŧĔ	8	# 5
ľ ,	Per rept over Pr		Per cent over Pr		Per cent	-	Per cent over Pr	-	Per cent over Pr	-	Per cent over Proof
\$	۽ تر	ě	\$ 5	ž	5 6	Ē	5 6	à	5 6	â	5 K
~	~	~	~	-	щ	_	μ.	_ =	д		A _
	70.0	10	66 4	0	58 4					30	1
	79 8	,,,	66 2	٠,	59.9	10	49 1	20	39.0	30	26 9
1 3	72.6	4 6	68 1	2 4 6	58 0	2 4 6	48 7	2	37 7	1	20 4
6 8	72 5	6	66 0	6	58 2 58 0 57 8	6	48 5	6	37 5	2 4 6 8	26 1
	72 4	8	63 8	8	57 /	8	49 1 48 9 48 7 48 5 48 3 48 1 47 9 47 7	8	38 2 39 0 37 7 37 5 37 3 37 1 36 8 36 6	. 8	25 9
l 1,	72 3	11	65 7 65 5	1 ,	57 5 57 3	11	49 1	21	37 1	31	25 6 1
1 4	72.0	4	65.4	ã	57 1	2 4	47 7	2	30 6	2	25 3 1
2 4 3 8	72 9 72 9 72 6 72 5 72 4 72 3 72 1 72 0 71 9 71 4	6	65 4	2 4 6 5	57 1 57 0	- 6	47 5	6	36 4	6	24 9
] B	71 4	8	65 1 64 9 64 8		56 8	8	47 3	8	36 4 36 2 36 0	8	24 6
2,	71 6	12	64.9	2.	56 6 56 4	12	47 1	22	36 0	32	24 3
1 1	71 1	2	64 6	2	56 2	2	46 7	2	35.5	2	24 1
1 1 3 9	71 5 71 4 71 2 71 1	č	64 5	8	56 1	6	47 3 47 1 46 9 46 7 46 5 46 3	6	35 3	2 4 6 8	23 6
- 8	722 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	8	64 3	8	56 4 56 2 56 1 57 9 55 7 55 5 55 3 55 1 54 9 54 7 54 4 54 4 54 2	S	49 1 9 7 5 4 4 8 7 5 4 4 7 7 5 3 1 4 7 7 5 3 4 7 4 7 6 7 5 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	6 8	38 2 0 7 5 3 1 8 6 4 2 0 8 5 3 1 9 7 5 2 0 8 6 3 2 5 3 5 3 5 3 5 3 5 3 3 3 4 4 5 3 3 3 3 3	š	20 0 6 4 1 1 9 6 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
13.	71 0 70 8 70 7	13	64 2 64 0	3	55 7	13	46 1 45 9	23	34 9	33	23 1
2 4 6 8	70 8	2 4 6 8	64 0	4 6 8	55 5	2 4 6 8	45 9 45 6	2	31 7	2 4 6 8	22 8
6	70.6	6	63 7	å	55 1	å	45 0	6	34 2	6	22 0
	70 6 70 5	8	63 9 63 7 63 6	8	54 9	8	45 2	6 8	34 0	8	22 1
1 * .	70 3 70 2 70 1	14	63 4 63 2 63 1 62 9 62 7 62 6 62 1 62 2 62 1	4	54 7	14	45 4 45 2 45 0 44 8	24	33 8	34	21 8
4	70 2	2 4 6	63 2	2 4 6	54 6	4 6 9	44 8	2 4	33 6	4	21 5
1 6	69.9	ň	62.9	6	51 2	7.	44 6 44 4	- 6	33 1	6	91 1
9	69.8	8	62 7		54.0	9	44 1	6	32 9	6	20 9
1 5	59.7	15	62 6	5	53 9	15	43 9	25	32 7	3.3	20 6
4	69.5 69.4	2 4 6	62 1	2 4 6 8	53 7	1	43 7	2 4 6 8	32 4	2	20 3
1 3	69 3	4	62 2	6	53.3	1	43 5	6	22 0	4 6 8	10.8
1 8	69 i	8	61 9	8	53 1	6 8	43 0	s	31 8	8	19 6
6	69 0	16	61 7 61 6	6	53 0	16	42 7	26	31 5	36	19 4
1 5	69 0 88 9 58 7 68 6	2	61 6	2	52 8	2	42 5	2	31 3	2	19 1
1 7	1 08 7	4	61 4	4	52 5	4	42 3	6	30.9	8	18 6
1	68.5	2 4 6 8	61 1	2 4 6 8	52 3	2 4 6 8	44 1 43 9 43 7 43 5 43 3 43 0 42 7 42 5 42 3 42 1 41 8	8	30 6	2 4 6 8	18 4
1 7	68 5 68 3 68 2 68 1 68 0 67 8	17	61 4 61 2 61 1 60 9 60 7 60 6 60 4 60 2 60 1 59 9 59 7	7	53 9 7 5 53 3 1 0 53 8 52 8 52 8 52 8 52 8 52 8 52 8 52 8	17	416	27	33 1 1 7 7 7 4 4 7 7 7 7 7 7 7 7 7 7 7 7 7		18 2
4	68 2	2 4 6	60 7	2 4 6 8	51 9	2 4 6 8	41 4	4 6 8	30 2	2 4 6 8	18 0
1 2	68 1	4	60 6	6	51.7	4	41 1	4	29 9	4	17 7
J è	67.8	8	60 2	8	51 3	8	40 7	8	29 5	8	17 2
8	67 7	18	80 1	8	51 1	18	40 5	28	29 2	38	17 0
1 3	67 6	4	59 9	2 4 6 8	50 9	2 4 6 8	40 2	2 4 6 8	28 9	4 4 8	16 7
	673	6	59 T	8	50 5	4.	20 7	6	28 5	. 6	16 2
1	67 2	8	59 4	8	50 3	8	39 5	š	28 3	39 8	16 0
9	67 7 67 6 67 6 67 3 67 2 67 1	19	59 2	9	50 1	19	39 3	29	28 0	39	15 7
	66 9	2 4 6 8	59 4 59 2 59 1 58 9 58 7 58 6 58 4	2 4 6 8	50 7 50 5 50 3 50 1 49 9 49 7 49 5 49 3	2 4 6 8	41 4 41 1 40 9 40 7 40 5 40 2 39 7 39 5 39 3 39 1 38 9 38 7 38 2	2 4 6 8	27 8	4 6	15 5
1 2	66 8 66 7 66 5	4 6	58 9	4 A	49 7 49 5	4	35 9	, a	27 3	ñ	14 9
1 7	66.5	8	58 6	š	49 3	8	38 4	8	27 1	8	14 7
10	66 4	20	58 4	10	49 1	20	39 2	30	26 9	40	14 4

Temperature 96° F

											
Divs. on Stem.		Ę		Ę	_	E	~	Ē	ž	Dive on Stein	<u>ب</u>
₹	der eent	Stem	ō	Divs on Stem.	Per cent under Proof	Dive on Stem	er cent under Proof	Dixs on Stem	er cent under Proof	ž	Per cent under Proof
g	눌축	Dive on	over Proof	Ę	7 F	5	<u>ت</u> ۾	5	ŧñ.	5	Per cent under P
1	Per cent orer Pr	·	Per cent over Pr		Per cent under P	ž	Per cent under 1	-	Per cent under 1		اق
á	5.5	ā	ě 5	25	ž 5	á	토틸	á	差異	á	ا الله
	_	_	_	_	_	_					
40	11 4	50	0.4	Gt)	14 5	70	41.9	80	34 0	99	80.3
2	14 1	. 5	01	2	14 9	, 3	32 3	4	54 5	2 4	40 3
1 4	13 8	4	0 2	4	15.5		32.7	4	55.5	9	81 8
8	13 9	6	0.6	6 8	15 9	8	33 6	6	50 0	8	82 3
4 6 8 41 2 4 6 9	13 0	51 51	0 9		14 9 15 3 15 6 15 9 16 3 16 6 16 9 17 3 17 6 17 9	71 2 4	34 0		56 5	GI.	62 8
2	12 7	2	1 2	61 2 4	16 6		34 4	- 2	57 0	2 4 6	63 4
1 4	12 4	- 4	18	6	17 3	6	35 3	6	58 0	6	81.5
9	11 9	8	2 1	8	17 6	8	35 8	8	38 5	8	85.0
12	11 6	52	2 4		17 9	72 ,	311 2	52	39 0	92,	85.5
4 6 8	11 3	68 2468 2468 3468 3468 52 468 2468 3468	20	4	18.6	72 2 1	17 0	%1 6 8 32 2	60.1	2	800 811 8 8 8 8 8 8 9 0 5 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ь	10 7	ā	3 2	6	19 9	6	37 4	to	141 1	6	87.1
8	10 5	. ×	3 5	63	19 3	73	37 8	83	61.2	93	87
47	10 2	53,	4 0		20.1	73 2 4	39.7	4	62.2	35	53.5
1	9 6	ã	4 3	2	20.4	4	39 2	4	62.5	4	61.3
8	9 3	6	4 6	6	20.7	4	39 6	l,	63.3	8	VI) 4
44 *	9.0	અં	5 2	64 8	21 5		40 4		14 4	94	90 3
11 8	8 4	. 2	5 5	4 6 6	2) 8	" <u>;</u>	40 9	6 4 5	64 9	4	90 1 90 3 91 4 91 9 92 4 92 8 93 4 93 9
1 4	8 1	4	5 8	4	22 2	4	41 4	4	65 5		91 9
1 5	79	6	6 4	6	22.6	6	41 8		66 6	6 8	92.4
	7 3	53 °	6 7	65	23 2	75 24 68 76 68 77 4 68 8	42 6	85	67 I	93	93 4
4 6 8	70	2	70	65 4 6 8	23 5	3	43 1	4 6 8	67 7	9	93 9
1 :	6 8	4	76	6	23 5		43.0	6	69 Z		01.0
8	63	8	7 9	8	21 5	8	41 4	8	69 3	8	95 4
	60	56	8 2		24 8	76	41 S	56	69 9	96	91 4 91 9 95 4 96 0 96 5 97 6 97 5
1 2	5 4	ī	8.5	ĩ	23 5	ĩ	45.8	4 6 8	71 9	4	97 0
6 8	5 i	ŝ	9 1	6	25 8	6	45 2	6	71 5	6	97 5
47 8	4 9	. 8	9 4	67	26 2	77	46 7	87 87	72 1	97	99 0
1 " 2	43	67	10 0	٠, ء	26 8	" ;	47 7	°′ 2	73 1	" 2	93 5 93 0 93 5
1 4	4.0	4	10 3	4	27 2	4	48 1	4	73 6	4 6	ษาธ
4 6 9	38	67 4 .6	10 8	6	27 5	6	49 6	87 4 6 8	74 1	6 8	100.0
48	3 2	53	11 2	ങ്	23 2		49 5		75 2	88	
	2 9		11 5	2	29 5	2	50 0		75 7	2	
4 6 8	: :	4	11 9	66 24 68 24 68 24 68	9911471158115611561158115811581158115811581158	4 6	50 4	4	76 2	6	
1 8		8	12 5	š	29 6	8	513	s	77 3	8	
149	19	59	12 9		30.0	79	51 3	89	77 8	99	
1 :	16		13 2	19 1	30 4	2	52 2	2	78 3	2	- (
	10	4 6	ij 9	8	171411147115825622582582582582582582582582582582604820	6	22.27.16.04.93.82.6.00.44.83.72.6.00.49.94.82.6.16.00.49.83.82.6.16.00.49.83.82.6.16.00.49.00.49.82.6.16.00.49.82.6.16.00.49.82.6.16.00.49.82.6.16.00.49.82.6.16.00.49.82.6.16.00.49.82.6.16.00.49.82.6.16.00.49.82.6.16.00.49.82.6.16.00.49.82.6.10.00.49.82.6.10.00.49.82.6.10.00.49.82.6.10.00.49.82.6.10.00.49.82.6.10.00.49.82.6.10.00.49.82.6.10.00.49.82.6.10.00.49.82.6.10.00.49.82.6.10.00.49.82.6.10.00.49.82.6.10.00.49.82.6.10.00.49.82.6.10.00.49.82.6.10.00.49.82.6.10.00.49.00.49.82.6.10.00.49.82.6.10.00.40.00.40.00.40.00.40.00.40.00.40.00.40.00.40.00.40.00.40.00.40.00.40.00.40.00.40.00.40.00.40.00.40	89 2 4 6 89 2 4 6	79 3	10	- 1
8	1 8 5 2 0 7 4 1 9 6 3 0 7 5 2 9 6 3 0 7 4 1 9 6 5 3 0 7 4 1 9 6 5 3 0 7 4 1 9 6 5 3 0 7 4 1 9 6 5 3 0 7 4 1 9 6 5 3 0 7 4 1 9 6 5 3 0 7 4 1 9 6 5 3 0 7 4 1 9 6 5 3 0 7 4 1 9 6 5 3 0 7 4 1 9 6 5 3 0 7 4 1 9 6 5 3 0 7 4 1 9 6 5 3 0 7 4 1 9 6 5 3 0 7 4 1 9 6 3 0 0 7 4 1 9 0 0 7 4 1 9 0 0 7 4 1 9 0 0 7 4 1 9 0 0 7 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8	011:466925814092584076925814709388999909925925925925925925925925925925925925925	8	31 6	9	53 B	6	## \$ 0 5 0 5 0 5 0 5 0 6 6 6 1 6 2 7 2 7 4 8 9 5 0 6 1 7 2 8 3 8 9 8 0 0 6 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4	- 1
50	0 4	60	11 2	70	31 9	50	54 0	90	M) 3	10,	1
1		•									

A Temperature 97° F.

<u></u>		==								
Divs on Stem A Per cent over Proof	Divs on Stem	Per cent	Divs. on Stem	Per cent over Proof	Days, on Stem	Per cent over Proof	Drys on Stem	Per cent over Proof	Diva. on Stem	Per cent over Proof
0 772 4 4 6 772 4 4 6 772 6 8 777 6 8 6 6 6 8 8 8 8 4 3 3 77 6 8 6 6 6 8 8 8 8 4 3 3 7 7 8 8 6 6 7 8 8 8 8 4 3 8 7 7 8 8 6 6 7 8 8 8 8 8 4 3 8 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	114 2 4 6 8 10 2 4 6 9 10 2 4 6 6	66 2 0 65 9 8 65 65 65 65 65 65 65 65 65 65 65 65 65	0 2 4 6 8 8 1 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 4 6 8 8 2 8 6 8 8 2 8 6 8 8 2 8 6 8 8 8 8	59 1 0 57 8 6 6 57 4 8 6 57 7 1 1 2 57 6 6 5 57 6 6 57 7 1 1 2 55 5 6 6 57 7 1 5 1 5 5 5 5 2 0 2 7 5 5 6 5 6 5 7 5 7 5 7 5 7 5 7 5 7 5 7	10 2 4 6 6 6 14 2 4 6 6 6 15 2 4 6 6 6 17 2 4 6 6 6 18 2 4 6 6 6 17 2 4 6 6 6 18 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	18 8 6 4 4 4 4 6 6 4 4 4 7 6 6 4 4 7 7 6 7 4 7 7 6 7 4 7 7 7 7	20, 24 4 6 8 21 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 4 6 6 8 2 2 2 4 6 6 8 8 2 2 3 2 3 2 3 3 3 3 3 3 3 5 3 5 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	37 7 7 4 2 36 9 7 37 14 2 36 9 7 37 14 2 36 9 7 37 14 2 36 9 7 37 14 2 36 9 7 37 14 2 36 9 7 37 14 2 36 9 7 37 14 2 36 9 7 37 14 2 37	30 2 4 6 8 31 2 4 6 6 8 8 32 2 4 6 8 8 3 2 4 4 6 8 8 3 3 2 4 4 6 8 8 3 3 2 4 4 6 8 8 3 3 2 4 4 6 8 8 4 6 8 8 4 6 8 8 4 6 8 8 4 6 8 8 8 4 4 6 8 8 8 4 4 6 8 8 8 4 4 6 8 8 8 4 4 6 8 8 8 4 4 6 6 8 8 8 4 4 6 6 8 8 8 4 4 6 6 8 8 8 4 4 6 6 8 8 8 4 4 6 6 8 8 8 4 4 6 6 8 8 8 4 4 6 6 8 8 8 4 6 6 8 8 8 8	26 5 2 20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

Temperature 97° F.

A Temperature 98° F.

Dir on Scen A Per cent over Paof	Dive on Stem,	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Dire on Stem	Per cent	Divs on Stem	Per cent over Proof
0 722 2 772 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	3 7 7 3 4 6 7 8 8 8 7 7 7 7 8 8 7 8 7 8 7 8 7 8 7	57 7 7 7 3 1 0 8 6 8 7 2 2 7 5 7 5 1 2 7 5 7 5 1 2 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7	10 2 4 6 8 11 2 4 6 8 8 12 2 4 6 6 8 8 15 2 4 6 6 8 16 2 4 6 6 8 16 2 4 6 6 8 16 2 4 6 6 8 10 2 4 6 6 8 10 2 2 2 4 6 6 8 10 2 2 2 4 6 6 8 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4881977531074298644229786444444444444444444444444444444444444	20 2 4 6 8 2 4 6 8 2 2 4 6	377 3 3 377 5 3 5 7 5 3 5 7 5 3 5 7 7 7 3 5 7 7 7 3 5 7 7 7 3 7 7 7 7	30 2 4 6 8 31 2 4 6 8 32 4 6 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	26 2 0 2 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

Temperature 98° F.

40 13 6 60 0 2 60 2 15 7 2 33 2 2 53 2 2 33 2 3 3 2 3 3 4 31 3 3 4 3 3 3 3 4 3 3 3 4 3 3 3 4 3 3 3 4 3 3 3 4 3 3 3 4 3 3 3 4 3 3 3 4 3 3 3 3 4 3 3 3 4 3 3 3 3 4 3 3 3 4 3 3 3 3 4 3 3 3 4 3 3 3 3 4 3 3 3 3 4 3 3 3 3 4 3 3 3 3 4 3 3 3 3 4 3 3 3 3 4 3 3 3 3 4 3
50 03 60 154 70 328 80 548 80 80 7 100 1 150 150 150 150 150 150 150 150 1

A Temperature 98° F

Di e on Stem	Per ceut over Ptoof	Dive on Stem,	Per cent over Pro f	Dies on Stem	Per cent over Proof	Divs on Stem	Per cent.	Days on Stem	Per cent over Preof	Days on Stem	Per cent over Proof
0 2 1 6 9 1 2 4 6 9 2 2 1 6 6 8 2 4 6 9 4 2 4 6 9 4 2 4 6 9 4 2 4 6 9 4 2 4 6 9 4 6 9 4 6 9 4 6 9 6 9 6 9 6 9 6 9	7272 2 1 9 7 7 6 5 4 2 1 0 8 7 7 6 7 6 9 8 7 5 6 6 9 8 7 5 7 7 7 7 8 7 8 7 7 7 7 7 7 7 7 7 7	10 2 4 6 6 8 8 11 2 4 6 6 8 8 8 13 2 4 6 6 8 8 8 15 2 4 6 6 8 8 8 16 9 17 2 6 6 9 19 2 4 6 6 9 19 2 20 7 20	65706532009764410087773209757420975442097754209977744209978855359595959595959595959595959595959595	0 2 468 8 2 1 68 8 1 68 8 1 68 8 1 68 8 1 68 1 6	577 7 5 7 5 7 1 1 0 5 7 7 5 7 3 1 0 5 7 7 5 7 3 1 0 5 7 7 5 7 3 1 0 5 7 7 5 7 3 1 0 5 7 7 5 7 3 1 0 5 7 7 5 7 3 1 0 5 7 7 5 7 5 7 5 7 7 7 7 7 7 7 7 7 7 7	10 2 4 6 8 11 2 2 4 6 8 15 2 4 6 8 16 2 4 6 8 17 2 4 6 8 18 2 4 6	48 1 9 7 7 5 3 1 0 7 7 4 2 0 8 6 4 2 0 7 4 4 4 3 7 5 3 1 2 8 5 3 1 9 7 7 5 3 1 0 7 7 5 3 1 0 7 7 5 2 0 8 6 4 2 2 7 7 5 3 1 0 7 7 5 3 1 0 7 7 5 2 0 8 6 4 2 2 7 7 5 3 1 0 7 7 5 3 1 0 7 7 5 3 1 0 7 7 5 3 1 0 7 7 5 3 1 0 7 7 5 3 1 0 7 7 5 3 1 0 7 7 5 3 1 0 7 7 5 3 1 0 7 7 5 3 1 0 7 7 5 3 1 0 7 7 5 3 1 0 7 7 5 3 1 0 7 7 5 3 1 0 7 7 5 3 1 0 7 7 7 5 3 1 0 7 7 7 5 3 1 0 7 7 7 5 3 1 0 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	20 2 4 6 8 2 6 6 8 2 4 6 8 2 6 6 8 2 6 6 8 2 6 6 8 2 2 4 6 8 2 6 6 8 2	377310773336233333333333333333333333333333333	30 2 4 6 8 2 4	26 2 9 2 7 4 2 2 2 3 9 3 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 3 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 9 3 4 2 2 2 3 3 3 4 2 2 2 3 3 3 4 2 2 2 3 3 3 4 2 2 2 3 3 3 4 2 2 2 3 3 3 4 2 2 2 3 3 3 4 2 2 2 3 3 3 4

Temperature 98° F

Divs on Stem	Per cent over Proof	Por cent	Dive on Stem	15 4	Dies on Stem	B & Se under Proof	Divs on Stem	See Por cont	Diva on Stem	pood som 727
41 g 41 g 4 d 5 8 42 g 4 d 6 d 6 d 7 d 8	12 2 51 11 9 11 7 11 4 11 1 10 9 52 10 6 10 3	00881122036814448814448814448814493568928144122777884499368111223773844935682246882468824688246888246888246888824688882468888246888246888246888246888246888246888246888246888824688888888	61 2 4 6 8 62 2 4 6 8	16 0 16 0 16 0 16 0 16 0 16 0 16 0 16 0	6 8 71 2 4 6 8 72 2 4 6 8	33 2 33 6 34 5 35 4 35 8 36 2 37 3 37 3 38 7 37 3 38 7 39 6 40 4 40 9	81 2 4 6 82 82 4	44 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	91 2 4 6 8 92 2 4 6	80 7 2 8 8 3 8 8 3 8 8 4 4 4 8 4 8 8 9 8 8 8 9 8 8 8 9 8 8 9 8 8 9 9 8 9
43 2 4 6 8 44 2 4 6 8	9 7 53 9 1 8 5 8 5 8 7 7 4 1 6 9	4 5 4 5 4 5 5 7 6 6 3 6 6 6 8 8 7 2 5 8 6 6 8 8 7 2 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	63 2 4 6 8 64 2 4 6 8	20 1 20 5 20 9 21 3 21 6 21 9 22 6 23 3 23 6	73 4 6 8 74 2 4 6 8	38 7 39 2 39 6 40 0 40 9 41 3 41 8 42 2 42 6	83 2 4 6 84 2 4 6 8	61 9 62 4 62 9 63 4 63 9 64 4 65 0 63 5 66 1 66 6	93 2 4 6 8 94 2 4 6 8	88 2 88 8 89 3 89 8 90 9 91 4 91 9 92 4 92 9
45 2 4 6 8 46 2 4 6 8	6 6 55 6 3 6 1 5 8 5 5 5 2 5 6 4 9 4 4 4 4 2 3 9 5 7	7 5 8 1 4 8 4 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	66 2 4 6 8 8	24 0 24 3 24 6 25 0 25 3 25 6 26 0 26 3 26 9 27 3	75 2 4 6 8 76 2 .4 6 8	40 4 40 9 41 8 42 2 42 6 0 43 5 9 44 4 8 2 45 7 46 7 1 47 6 0 48 5 9 49 9	87	68 3 68 8 69 4 69 9 70 5 71 0 71 6 72 1 72 7	95 4 6 8 96 2 4 6 8	93 9 94 4 94 9 95 4 95 9 96 5 97 0 97 5 98 0 98 5 99 0 98 5
2 4 6 8 48 2 4 6 8 49 2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2 10 8 4 11 1 6 11 4 8 11 7 12 0 2 12 3 4 12 7 13 0 8 13 3 13 7 2 14 0 4 14 3	69	28 0 28 3 28 7 29 0 29 4 29 7 30 1 30 5 30 9 31 2	2 4 6 8 78 2 4 .6 8 79 2	48 9 49 4 49 9 50 3 50 8 51 2	69	72 1 72 7 73 2 74 7 75 2 75 2 76 2 77 2 77 2 77 2 77 2 77 2 77 2 77	97 2 4 6 8 98 2 4 6 8 99 2	100 0
2 4 6 8 50	0 3 60	4 14 3 6 14 7 8 15 0 15 4	.4 6 8 70	31 6 32 0 32 4 32 8	2 4 6 8	53 5 53 9 54 4 54 8	90 90	79 2 79 7 80 2 80 7	2 4 6 8	

A Temperature 99° F.

Divs on Stem	Divs. on Stem A Per cent over Proof	Divs on Stem Per cent over Proof	Divs on Stem	Per cent over Proof	Divs. on Stem	Per cent over Proof	Divs on Stem.	Per cent over Proof.
0 2 722 0 0 0 2 722 0 0 0 2 722 0 0 0 2 722 0 0 0 2 722 0 0 0 0	10 2 65 7 6 6 6 6 1 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 569 7 1 2 566 5 3 4 56 5 7 8 8 55 2 3 2 4 56 3 3 1 4 2 5 5 5 5 6 5 6 5 6 5 6 5 6 6 6 6 6 6 6	17 2 4 6 8 19 2 4 6 8	4878447764208642085714975344757429644444444444444444444444444444444444	20 24 6 8 21 2 4 6 6 8 2 4	37 2 37 0 36 8 36 3 36 1 35 9 35 7 35 5	36 2 4 6 8 37 2 4 6 8 39 2 4 4	25 0 0 25 5 3 2 25 5 1 2 25 6 3 2 25 5 1 2 25 6 3 2 25 6 25 6

Temperature 99° F.

Divs on Stem	Divs on Stem	Per cent under Proof	Divs on Stem.	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem.	Per cent under Proof
40 12 41 12 41 12 41 13 14 14 14 14 14 14 14 14 14 14 14 14 14	2 0 50 2 4 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 5 5 5 8 6 6 7 7 7 7 7 9 2 5 8 8 8 9 9 4 7 1 4		23 0 4 2 2 3 4 7 2 2 4 4 7 2 2 4 4 7 2 2 4 4 7 2 2 5 5 6 6 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	70 24 68 2 4 6 8 8 4 4 4 6 8 5 6 8 4 4 6 8 5 6 8 6 8 4 4 6 8 6 8 6 8 6 8 6 8 6 8 6 8	40 1 5 9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		557272727272727272727272727272727272727	90 2 4 6 8 91 2 4 6 8 93 2 4 6 8 9 9 9 9 9 1 2 4 6 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	81 55 0 5 82 5 6 9 4 0 16 16 17 27 27 27 27 27 27 27 27 27 27 27 27 27

GLASS HYDROMETER.

A Temperature 100° F.

Divs on Stem A	over Proof Divs on Stem	Per cent over Proof Days on Stem.	Per cent. over Proof	Divi on Stem	Per cent over Proof	Days on Stem.	Per cent over Proof	Divs on Stem	Per cent over Proof
2 61 4 61 6 61 8 61 2 61 4 6	21 10 21 18 4 11 16 18 14 11 11 18 14 11 11 10 18 14 11 11 11 10 11 11 11 11 11 11 11 11 11	64 7 1 64 4 4 64 4 1 2 63 8 6 63 6 63 6 63 6 63 6 63 9 6 62 8 62 1 9 61 8 61 6 5	24 57 2 1 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2	10 2 4 6 8 8 11 2 4 4 6 8 8 13 2 1 4 6 9 8 8 15 2 4 6 8 8 15 2 4 6 8 8 15 2 4 6 8 8 15 2 4 6 8 8 15 2 4 6 8 8 15 2 4 6 6 8 8 15 2 4 6 6 8 8 15 2 4 6 6 8 8 15 2 4 6 6 8 8 15 2 4 6 6 8 8 15 2 4 6 6 8 8 15 2 4 6 6 8 8 15 2 4 6 6 8 8 15 2 4 6 6 8 8 15 2 4 6 6 8 8 15 2 4 6 6 8 8 15 2 6 8 8	4775310855317685337531864295375318642975476429754764764764764764764764764764764764764764	20 2 4 6 8 8 2 2 4 6 8 8 2 3 2 4 6 6 8 8 2 2 4 6 6 8 8 2 2 4 6 6 8 8 2 2 5 2 2 6 6 8 8 2 2 5 2 5 2 5 2 5 5 5 5 5 5 5 5 5 5	975319642075319774209531964197753186631993319964177522075	30 2 4 1 6 8 8 31 2 4 6 6 8 8 32 2 1 6 6 8 8 8 34 2 4 6 6 8 8 8 34 2 4 6 6 6 8 8 8 34 2 4 6 6 6 6 8 8 8 34 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	25 5 2 2 2 3 7 7 5 2 2 2 3 3 3 3 7 7 5 2 2 2 2 3 4 7 3 3 3 3 3 7 7 5 2 2 2 2 2 3 3 3 3 3 7 7 5 2 2 2 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3
6 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 3 2 2 0 1 2 1 6 6 8 8 8 8 0 6 8 8 8 7 2 4 8 8 8 8 8 7 2 4 8 8 8 8 8 7 2 4 8 8 8 8 8 9 4 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	61 3 61 1 69 9 60 8 60 6 60 4 60 3 60 1 60 3 60 1 60 3 60 1 60 3 60 1 60 3 60 1 60 3 60 1 60 3 60 4 60 3 60 4 60 3 60 4 60 4 60 4 60 4 60 4 60 4 60 4 60 4	2 50 7 5 6 5 0 3 8 50 1 1 4 9 7 5 6 4 9 3 1 4 9 5 6 4 9 3 1 4 8 5 7 4 4 8 5 3 8 4 8 1	2 16 8 17 2 4 6 8 18 2 4 6 8 19 2 4 6 8 19 2 4 6 8 19 6 8 19 6 8 19 19 19 19 19 19 19 19 19 19 19 19 19	40 7 5 40 5 1 40 5 3 40 1 8 40 1 8 40 1 8 40 1 8 40 1 8 40 1 8 5 5 2 6 8 5 7 5 8 6 8 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	2 4 6 8 27 2 4 6 8 29 2 4 6 8 29 2 4 6 8 30	31 6 4 1 0 7 5 3 1 8 6 3 1 9 6 4 1 9 7 5 5 2 9 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 1 4 6 8 37 2 4 6 8 2 4 6 8 39 2 4 6 8 40	17 5 3 0 7 5 1 1 1 0 7 5 1 1 7 0 7 5 1 1 0 1 5 5 2 9 7 4 1 1 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1

Temperature 100° F

Dive on Stem	Per cent. over Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof.	Divs on Stem	Por cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40 2 4 6 8 8 41 2 4 6 8 8 8 42 2 4 6 6 8 8 44 2 4 6 6 8 8 44 2 4 6 6 8 8 6 8 8 6 8 8 6 8 8 8 8 8 8 8 8	12 0 0 12 0 12 0 12 0 12 0 12 0 12 0 12	50 2 4 6 8 8 2 6 6 8 2 6 6 8 2 6 6 8 2 6 6 8 2 6 6 8 2 6 6 8 2 6 6 8 2 6 6 6 8 2 6 6 6 8 2 6 6 6 6	1 1 1 2 2 2 2 7 0 3 6 9 2 5 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	60 2 4 5 8 8 61 2 4 6 6 8 8 63 2 4 6 6 8 8 64 2 1 6 6 9 9 65 5 2 1 6 6 6	16 1 16 8 1 17 16 6 8 1 17 17 16 16 16 8 1 17 17 16 16 17 17 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	72 2 4 6 8 73 2 4 6 6 8 74 2 1 6 6	36 2 36 1 37 5 38 0 38 5 38 5 39 7 40 2 40 0 41 4 41 9 42 7 43 1 43 5	80 2 4 6 8 8 2 4 6 6 8 8 8 2 4 6 6 8 8 8 2 4 6 6 8 8 8 5 2 4 6 6 8 8 8 5 2 4 6 6 8 8 8 5 2 4 6 6 8 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6	55 66 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	90 2 4 6 8 8 91 2 4 6 6 8 8 93 2 4 6 6 8 95 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	81 8 8 8 2 8 8 8 2 8 8 8 8 4 4 8 8 5 5 6 6 6 7 2 2 8 8 7 2 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
45 4 6 8	4 5 4 2 3 9 3 7 3 4 3 2	56 2 4 6 8	9 8 10 1 10 4 10 7 11 0	66 2 4 6 8	26 4 26 8 27 1 27 4 27 8	76 2 4 6 8 77	46 6 47 1 47 5 48 0 48 4 48 9	86 2 4 6 87	71 1 71 7 72 2 72 8 73 3 73 8	95 2 4 6 8	97 5 98 0 98 5 99 0 99 5
48 48	2 6 2 3 2 1 1 8 1 5 1 2	58 58 24 6	11 6 11 9 12 2 12 5 12 8 13 1 13 5	68 2 4	28 4 28 8 29 1 29 5 29 8 30 2 30 5	78	49 8 49 8 50 2 50 7 51 1 51 6 52 0	87 2 4 6 8 8 8 2 4 6 8 8 8	74 8 74 8 75 3 75 8 76 3 76 8 77 3	98 98	100 0
49	1 0 0 7 0 4 0 1 0 2 0 4 0 7 1 0	59 2 4 6 6	13 8 14 1 14 5 14 8 15 2 15 5 15 8	60 2 4 4 6 8 8 1 70 8	20 9 31 3 31 7 32 0 32 4 32 8 33 3	79 24 4 8 8 8 8 8 8	44 66 1 6 46 6 1 6 47 1 7 5 0 48 4 4 48 4 48 4 48 4 48 4 48 4 48	89 2 4 6 8 90	77 8 78 3 78 8 79 3 79 8 80 3 80 8	99 2 4 6 8	



SPECIFIC GRAVITY TABLES

FOR USE WITH

SIKES'S HYDROMETER.

The following tables of specific gravity, constructed from those of Ure, show approximately* the specific gravity of spirits from 70° O P. down to water at every temperature compared with water at 62° F, water at 62° F being denoted as 10 000

The imperial gallon of distilled water at 62° F weighs 10 lbs avourdupois Therefore a gallon of spirit of which the specific gravity is 9000 at a certain temperature weighs at that temperature 9 lbs per gallon

TO USE THE TABLES.

Note the hydrometer indication Then refer to the specific gravity Table I at this indication Against it will be found the specific gravity which corresponds to the weight per gallon in pounds to decumals The equivalent avoirdupous weights for the decimals are found in Table II.

Note—In using Table II the third decimal figure of the specific gravity found at Table I is, if under 5, to be omitted If over 5, 1 should be added to the preceding or second decimal figure Thus 8 242 should be read 8 24, and 9 196 should be read 9 200

Example—Specific gravity 8 242 (i.e., 8 24) will thus be found to be equivalent to 8 lbs 3 ozs 13 drms per jumperal gallon Again, specific gravity 9 196 (i.e., 9 20) will be found to be equivalent to 9 lbs 3 ozs 3 drms per imperal gallon

These specific gravities are found true by the hydrometer only at 62° F
 But for the purpose of checking stocks where probably both sales of the balance will be taken at temperature not materially different the error on each side will be about the same and may be neglected

Table I.

								_
Divs on Stem A	Dres on Stem	Dive on Stom	Dive on Stem	Specific gravity	6	Specific gravity	Dies on Stem	Specific gravity
0 2 4 6 8 8 2 2 4 6 6 8 8 2 2 4 6 6 8 8 2 2 4 7 830 8 7 830 8 7 7 830 4 4 7 838 8 7 7 830 4 6 7 934 6	10 2 7 989 2 7 7 980 2 7 7 980 4 7 7 980 6 7 7 980 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2 8 157 4 8 161 6 8 164	24 66 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	\$ 330 \$ 337 \$ 347 \$ 343 \$ 347 \$	2 1 4 6 8 2 4 4 6 8 2 4 4 6 8 2 4 4 6 8 2 4 4 6 8 2 4 4 6 8 2 4 4 6 8 2 4 4 6 8 2 4 6 8 8 4 6 8 8 8 6 8 6 8 6 8 6 8 6 8 6	8 5002 8 5012 8 5012 8 5016 8 5112 8 5112	4 6 9 6 9 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	34 37 37 37 37 37 37 37 37 37 37 37 37 37

Table I-contd.

Divs on Stem Specific gravity	Divs on Stem Specific gravity	Diva. on Stem Specific gravity	Divs on Stem	Specific gravity	Drvs on Stem	Specific gravity	Divs on Stem	Specific gravity
40 8 849 2 8 853 4 8 856 6 8 860	50 9 032 2 9 036 4 9 039 6 9 043	60 9 218 2 9 222 4 9 226 6 9 229	70	9 409 9 413 9 417 9 420	80 2 4 6	9 604	90	9 800 9 804 9 808 9 812
8 8 863 41 8 867 2 8 871 4 8 874 6 8 878 8 8 891 42 8 885	8 9 046 51 9 050 2 9 054 4 9 058 6 9 061 8 9 065	8 9 233 61 9 237 2 9 241 4 9 245 6 9 248 8 9 252 62 9 256	71 5 4 9 6 6 8 9	9 428 1 9 432 1 9 436 1 9 440	81 2 4 9 6 9 8 9	623 627 631 633 639	91 1 6	9 820 9 824 9 828 9 832
12 8 885 2 8 889 4 8 892 6 8 896 8 8 899 13 8 903 2 8 907	52 9 069 2 9 073 4 3 076 6 9 080 8 9 083 53 9 087 2 9 091	62 9 256 2 9 260 4 9 264 6 9 267 8 9 271 63 9 275 2 9 279	6 9 8 9	452 455 459 463 467	82 9 4 9 6 9 8 9 83 9 2 9	647 651 655	92 2 6 6 6 6 6 6 6 6	9 844 9 848 9 852 9 856 9 860
4 8 911 6 8 914 8 8 918 44 8 922 2 8 926 4 8 929	4 9 095 6 9 098 8 9 102 54 9 106 2 9 110	4 9 283 6 9 286 8 9 290 64 9 294 2 9 298 4 9 302	2 9 4 9 6 9 8 9 74 9 4 9	479 493 487 491	2 9 4 9 6 9 8 9 81 9 4 9	674 674 678 682 686	4 9 6 8 91 9 2 9	868 872 876 880 884
8 8 936 45 8 940 2 8 944 4 8 947 6 8 951	55 9 125 2 9 129 4 9 132 6 9 136	65 9 305 65 9 313 2 9 317 4 9 321 6 9 324	6 9 8 9 75 9 2 9 4 9 6 9	502 506 510 514 517	6 9 85 9 2 9 4 9 6 9	706 710 714	6 9 8 9 95 9 2 9 4 9 6 9	892 896 900 904 908 913
8 8 954 46 8 958 2 8 962 4 8 965 6 8 969 8 8 972 47 8 976	8 9 139 9 143 2 9 147 4 9 151 6 9 154 8 9 159	8 9 328 66 9 332 2 9 336 4 9 340 6 9 341 8 9 348	76 9 2 9 4 9 6 9 8 9	529 533 537 541	86 9 2 9 4 9 6 9 8 9	726 730 733 737	8 9 96 9 1 9 6 9 3 9	917 921 925 929 934 938
2 8 980 4 8 984 6 8 987 8 8 991 48 9 993 2 8 999	57 9 162 2 9 166 4 9 170 6 9 173 8 9 177 58 9 181 2 9 185	67 9 832 2 9 356 4 9 360 6 9 363 8 9 307 68 9 371	2 9 4 9 6 9 8 9 78 9	549 553 557 561 565	2 l9 4 l9	745 749 753 757 761	97 9 2 9 4 9 6 9 8 9	942 916 950 955 959 963
4 9 002 6 9 006 8 9 003 49 9 013 2 9 017 4 9 021	4 97189 6 9 192 8 9 196 59 9 200 2 9 204	2 9 375 4 9 379 6 9 392 8 9 396 69 9 390 2 9 394	4 '9 6 9 8 9 79 9 2 9	588	4 9 6 9 8 9 89 9	785	2 19 4 9 9 6 8 9 99 9	967 972 976 991 995
6 9 024 8 9 028 50 9 032	4 9 207 6 9 211 8 9 214 60 9 218	4 9 398 6 9 401 8 9 405 70 9 409	4 9 6 9 8 9 80 9	592 596 600	6 9 8 9	789 792 796 800	6 9 8 10	994 998 0 003 0 007

131 к

Table II.

Degrees of Specific gravity	0.0	Drame	Degrees of Specific gravity	0r	Drame	Degrees of Specific gravity	20	Drams	Degrees of Specific gravity	70	Drams
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 1 22 22 22 25	0 0 0 0 0 0 0 1 1 1 1 1 1 2 2 2 2 2 2 3 3 3 3 3 3 4	25 70 10 125 15 14 17 12 14 11 14 10 14 11 14 10 11 11 11 11 11 11 11 11 11 11 11 11	26 27 28 29 30 31 32 33 34 35 36 37 38 40 41 42 44 45 47 48 49 50	44444455555556666667777778	21 5 71 10 121 14 11 14 11 14 11 14 11 14 11 14 11 14 11 14 11 14 14	51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 71 72 73 74	8 8 8 8 8 8 8 9 9 9 9 9 10 10 10 10 11 11 11 11 11 11 11 11 11	21 71 10 12 13 14 12 14 14 14 14 14 16 18 18 19 10 10 10 10 10 10 10 10 10 10 10 10 10	76 77 78 79 81 82 83 84 85 86 87 88 90 91 92 93 95 96 97 97 99	12 12 12 12 12 13 13 13 13 14 14 14 14 15 15 15 15 15 16	212 712 10 121 112 113 113 114 114 115 115 115 115 115 115 115 115

Supplementary note to letter No 589, dated 1st July 1907, from the Director, Central Excise Laboratory for India, to the Secretary to the Government of India, Finance Department

- 1 The following notes refer to work undertaken subsequent to the date of my above quoted letter. It is to be particularly noted that my letter No. 589, dated 1st July 1907, was a statement made at the commencement of the work, and that the figures in the appendices, though correct in their general trend, were not intended to be final, and on comparison with the completed work will show some comparatively insignificant variations. They should hence be regarded as of a purely preliminary nature and not in any way as extracts from the final results.
- 2 In the first place it was assumed that Sikes's hydrometer at 62°P gives true specific gravities referred to water at 62°P when its indications are interpreted by specific gravity Table I (which is identical with Table B of Spirits' Act, 1880, 43° and 44 Vict', Cb 21) which is printed at the end of the books of Sikes's Tables which are supplied from England On investigation the table was found to be in general correct. True proof-strengths were then calculated for glass hydrometer indications applicable to these specific gravities at all temperatures, allowance for expansion and contraction of the measuring glass hydrometer at the various temperatures being calculated.

For brass hydrometers the contraction and expansion allowances proper to such instruments were also duly made

- 3 The calculations of the true specific gravities of the various proof-strengths referred to water at 62° F were made by means of expansion-figures used inversely. The figures first taken for expansion were those of Banmhauer, Reckingel, Kopp, and others, and these vere extended and interpolated by means of a co-ordinate diagram and dowble differences. Many pyknometer weighneats were also made and compared with the data thus found. The specific gravities finally arrived at were then compared with those of Glipin and Blagden, Tralles and Mendeleef. The variations between the four sets of tables at no part exceed 0.3 of a proof-degree.
- 4 Generally, the least discrepancies from Sikes's present proof strengths were found in the first tables (those derived here from the expansion tables of the abovementioned investigators), the most by those of Mendeleef, and the mean between these by those of Gipin and Blagden and of Trailes

Tralles's tables were finally selected for use as being the mean of the four sets of tables, and also because the give figures to confirm the allowances to be made for expansion or contraction of glass hydrometers

These, therefore with Otto Hehner's Tables* of the specific gravities of mixtures of alcohol and water at 60° F, compared with water

at 60° F, finally formed the basis of the work

C H BEDFORD,

Director, Central Excise Laboratory for India

Central Excise Laboratory for India, Kaszuli, 15th January 1968 Note on adjustment of Sires's hydrometers for use in India at 62° F. in future, instead of at 51° F. as at present

With regard to the inaccuracies discovered here in connection with the employment of Sikes's hydrometer and tables certain other allied considerations reguire notice

bikes's hydrometer itself should be adjusted for Indian conditions at 62' F, instead of as at present at 51°, which, however suitable it may be considered for the conditions of a temperate climate, is much less suitable for spirit-proving operations under Indian conditions

This change is required for the following reasons -

(1) The differences in readings between brass and glass hydrometers become greater as the temperature rises above the temperature at which these instruments are adjusted. This is due to differences in rate of expansion on heating between glass and brass.

For example, a spirit at 50° U P of specific gravity 9009 at 62° F, compared with water at 62° F would at 85° F appear to be 9007 heavier than it should be if measured by a brass hydrometer (adjusted at 62° F), and 6003 if by a glass hydrometer (adjusted at 62° F). If the same spirit is measured by a prass hydrometer adjusted at 51° F he reading would be a proof-strength equivalent to a specific gravity 0011 heavier than it should be, and if by a glass hydrometer adjusted at 51° F it would be a proof-strength equivalent to a specific gravity 0004 heavier than it should be

These differences translated into proof-terms are as follows -

 Under-stunations 50° U P Sprit

 Brass bydrometer adjusted at 62° F
 V997-11 proof degrees or 2.2 per cent.

 Glass
 , , 0004=0.5 proof-degree or 1 per cent.

 Brass
 , at 51° F
 -1.7 proof degrees or 3.4 per cent.

 Glass
 , , , = 0.7 proof degree or 1.4 per cent.

That is to say, there is a difference between glass and brass hydrometers adjusted at 63° F of about 12 per cent, and when adjusted at 51° F of about 2 per cent

For temperatures above this (i.e., higher than 85° F) the divergence is proportionately greater, and for spirits of as low strength as 60° U. P. it is also relatively increased. The practical conclusion from the above is that if tables are based on adjustment at 62° F. different tables for brass and glass hydrometers are required. H adjusted at 51° F such tables are even more necessary

(2) Another reason for adjustment at 62° F is the fact that the specific gravities to which the hydrometer tables refer are only truly indicated by the hydrometer at 62° F. As it is upon this specific gravity table that checking of stocks by weight is based, the inaccuracies involved in applying them to hydrometer indications at higher temperatures become less as the temperature of adjustment of the instrument is itself higher. For issue for use with existing hydrometers sets of corrected tables are now available for glass, and

another set is under preparation for use with brass hydrometers. When the proposal regarding adjustment of all hydrometers for use in India at the more suitable temperature of 62° F has been sanctioned fresh tables for such glass and also for such brass hydrometers would be issued in due course along with the respective instruments. The preparation of these supplementary tables should not occupy us more than a month in all and it is anticipated that no extra staff will be required for this work.

C H BEDFORD

CENTRAL EXCISE LABORATORY FOR INDIA, Kasauli, 15th January 1908

LATPE NOTE—Since the above note was written, the use of brass sike's hydrometers has in practice been restricted to district and shop-work only where the highest possible degree of accuracy is unnecessary Consequently tables of the greatest accuracy are no longer necessary for use with brass hydrometers. For exact Excise spirit-proving operations, glass hydrometers are now in use throughout India. The question of adjustment of glass hydrometers at 62° F instead of 51° is held over for later consideration.

C H BEDFORD,

Kasauli, 23rd January 1909